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"BALL ^{Rot -} Resistant ASTERS"

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U. S. Department of Agriculture

Ball Purple and Ball Deep Rose foreground showing flowering season compared with Ball Late White extreme background.

Gregg Ball
INC.

"FLOWER SEEDS FOR FLORISTS"

WEST CHICAGO, ILLINOIS.

CATALOG No. 26

JAN.-JUNE 1935

The Greenhouse Florist is Fortunate

The nature of our business is such that it cannot be restricted, hampered, or its individuality and usefulness destroyed by the depressing effect of a leveling code. This permits us to develop it according to our individual advantages and ability. Also this makes for the progress that has enabled American business in the past to pay the world's highest wage scale, and only thru our unhampered initiative can we restore it.

Also, the nature of our business is such that it cannot readily be taken over and carried on which permits many of us to work out a situation that might easily overtake other lines. Furthermore, — if we must contend with occasional "price cutting," consider your grocer, druggist, etc. If you give real service, grow good stock and price it moderately, we know from our experience with the seed as well as the greenhouse business that you have nothing to fear because most of us know that, usually, we get what we pay for.

We are also fortunate in being in a business that is not so much a luxury as it is a necessity. Hasn't the stress of the past few seasons proven this conclusively? Also, do we fully appreciate the boosters our business enjoys in local garden clubs? The few summer flowers they produce spreads their value thru the winter. In conclusion, there is every reason to believe that our business will continue the gradual improvement that set in the past season. But do not be misled into producing oversupplies. That hurts, not only yourself but the rest of us too.

Geo. J. Ball

PLEASE NOTE — Our seed cannot be bought from dealers or our agents **EXCEPT IN OUR PRINTED PACKETS OR CONTAINERS.**

When our seed is offered in other than our containers, you have good reasons to suspect it.

Avoid uncertainty and possible loss by ordering direct from us or thru our regular representatives who sell for us in our containers only.

BUSINESS TERMS

FOR INDEX SEE INSIDE BACK COVER

WE PAY POSTAGE AND INSURANCE on all orders at prices quoted in this catalog. This simplifies figuring the cost of your order.

CASH DISCOUNTS. When remittance is enclosed with order, we allow a cash discount of 5% on all orders up to \$25.00. On this amount or over, 8% cash discount is allowed. This does not apply to Cyclamen or Asparagus seed, prices on which are net.

IF UNKNOWN TO US or if overdue accounts are standing (60 days), cash must be enclosed with order unless other arrangements are agreed upon in advance.

SMALL ORDERS are welcomed gladly and receive prompt and careful attention. In return we suggest that cash be enclosed to care for the proportionately greater cost of handling.

PRICES. In this catalog and in all our offerings, are subject to change without notice.

ADVANCE ORDERS are subject to pro rata delivery in case of crop failures or shortages.

CROP FAILURES. All items in this catalog are offered subject to crop shortages or crop failures.

DISCLAIMER. We, Geo. J. Ball, Inc., give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds we sell and we will not be in any way responsible for the crop. If the purchaser does not accept the seeds on these terms they are at once to be returned, and the money paid for same will be refunded promptly.

(ALL ORDERS SENT US DIRECT are back in the mail the day received.)

For INDEX see inside back cover.



A check lot of ordinary strains of asters in the foreground with rot resistant in the background.

Stem Rot RESISTANT ASTERS

RESISTANT ASTERS have been bred to overcome the disease ordinarily referred to as stem rot. This work has been remarkably successful, as will be noted in the above photo. Stem rot sometimes destroys young plants; but it usually shows up later; sometimes as the flowers are ready to open, the plant drops over from the fatal rot. The breeding of these better strains is very simple. It is based on the fact that every seed-produced plant differs from every other. If a lot of asters go down with rot nearly 100%, as sometimes happens, the survivors are carefully examined and seed saved separately from a few of the cleanest. The following year each lot is grown on separately, and at least some of these lots will be found resistant. This selective process is repeated, and in several years careful work you will have a resistant strain. However, the strains are not resistant to all diseases asters are subject to, such as the "yellows," various forms of rust, and rot, the general effect of which might and sometimes is mistaken for stem rot. Even in soil not at all affected with this rot, these strains will be safer and generally more vigorous and satisfactory.

We have pioneered interest in these new asters and are doing much work in their development. All varieties we have to offer that are not of our origination, with the few exceptions noted, have been thoroughly tested in our trial grounds. These grounds have been growing asters for five years. The soil is so filled with aster rot that only highly resistant strains will survive. These conditions only make it possible to select or develop such strains.

We believe our list on the following pages covers all the most resistant varieties available today. We have had confidence and interest in these strains since Dr. L. R. Jones of the University of Wisconsin led the way in their development. We are very confident that the future of all American Asters lies in strains that will be 100% resistant to rot.

THE COMBINATION OF RESISTANT STRAINS AND CLOTH HOUSES WILL RESTORE ASTERS TO THE HEAD OF THE LIST OF ALL SUMMER CUT FLOWERS.

And don't overlook this — "we pay postage and insurance on all orders."

CLOTH HOUSES

IN MOST SECTIONS of our country it is ordinarily impossible to produce clean, long-stemmed asters without the protection of cloth houses. There are two advantages in this protection. The most important one is to bar a very little fellow known as the leaf hopper that infects asters with that fatal disease "yellows". In a tightly maintained cloth house, asters will be entirely free of this. The second advantage of these houses is the protection they afford against the strong sun and wind of mid-summer. This protection produces longer stemmed, cleaner, and larger flowers.

Asters are not alone in enjoying this summer protection. There are very few flowers, in fact, but what draw up longer stemmed and cleaner under the shelter of cloth. We feel sure any retail business should take advantage of such a house, especially where summer temperatures are trying. As market growers we find asters pay out best in them. In fact, it is generally impossible, in the middle states, to get much out of asters in the open.

Our **Ball Red Book** provides details for their construction. However, improvements suggest themselves annually. Strengthening them against high winds is most important. We made a change the past season in running an additional wire between the regular post wires. This provides a wire every $16\frac{1}{2}$ feet. We also sewed our cloth to all wires, preventing much waving of the cloth in a high wind. Also, we do not longer use the eye staples for supporting wire to posts because continual friction wears wire through. Instead we run the wire through a hole in the post. Maintaining wires quite tight and locating the house in a wind-sheltered position should be stressed. We are glad to be of such further service as we can be in this connection.



These houses should be located on as wind-protected a position as is available and the post spacing must be exact.

BALL RESISTANT ASTER LIST

WE HAVE NOT only pioneered interest in rot resistant asters but are actively working on the development of these strains in all varieties. In the following list the degree of resistance will run from 75% to practically 100% in our diseased soil. We occasionally get complaints to the contrary. When this happens, it is perfectly clear to us that the cause will be found in disease or rust other than the wide spread stem rot they are bred to resist. Even in soil not infected with stem rot, we feel sure these strains will be found more vigorous and safer than the ordinary ones. Dates given are for flowering in the latitude of Chicago and seem to vary some every season, probably due to weather conditions.

THE BEST COLORS.

Good white asters usually enjoy the most active demand in any market. In the order of their value as we find them, we suggest using the colors as follows: **White, Rose-pink, Peach Blossom-pink, Azure Blue or Lavender, Deep Rose, Orchid, Shell Pink, Purple, Crimson.** The varieties starred (*) rank especially high with us from the standpoint of resistance, color, or both.

FOUR EXCELLENT "BALL" ASTERS.

- ***Ball White** — late. A typical American Branching type, fine stems and size. The finest standard American cut flower variety. Sept. 10-15.
- ***Ball Deep Rose.** Bright shade of deep rose, attractively incurved. Pictured on front cover. Medium size, long-stemmed and highly resistant. Colored cover picture is good for color and incurved form, but size is exaggerated some as flowers were completely developed when photo was taken. In full crop between Queen of the Market and the Royals. One of our most successful productions. Aug. 20-Sept. 1.
- ***Ball Deep Purple.** Pictured in foreground of front cover. As will be noted, this comes in with our Ball Deep Rose and has the same long stem and high resistance. An attractive deep purple. Both Ball Deep Rose and Ball Deep Purple are in full crop and cut out before the main supply gets in and this adds to their value. Aug. 20-Sept. 1.
- ***Ball Early Phlox Pink.** Flowers about a week earlier than our original strain and is a much deeper shade of rose pink. This very excellent strain will be found a first class commercial one. Sept. 10-15.

PRICES on any of the above, Each: Tr. Pkt. 50c; $\frac{1}{4}$ oz. 65c; 1 oz. \$2.00.

BALL RESISTANT ASTER LIST (Continued)

AMERICAN BRANCHING. A term generally used to cover a large number of varieties of branching or spreading habit and mid-season to late-flowering.

***Ball White Early.** A resistant selection of our original Ball White. However, in the resistant strain it has lost some of its fine original form. The stock we are offering is a good mid-season white with a fair to high degree of resistance. Sept. 5-10.

White. We have an excellent resistant strain. Sept. 10-15.

***Azure Blue.** Clear mid-blue. Very attractive commercial color and highly resistant. Sept. 15-20.

Blackish Blue. Quite dark; useful in limited quantities. Sept. 15-20.

***Improved Semple Pink.** A long-stemmed and vigorous growth selection from Mary Semple. Pleasing shell-pink. Sept. 5-10.

AMERICAN COMETS. This term fittingly applies to the Crego, Ostrich Feather, or Astermums, for all produce the same twisted petal or fluffy effect. A highly attractive type with some choice colors, but not so well adapted to shipping, as the plainer or incurved class.

***Crego Azure Blue.** Attractive light blue, medium size, excellent color. Sept. 10-15.

Crego Orchid. This is a very rich subdued rosy lavender—a true "Orchid" shade and original in asters. Long, tho not extra stiff stemmed, large-flowered and highly resistant. Sept. 5-10.

***Ostrich Feather Peach Blossom.** An attractive, fairly deep rose pink. Excellent for market. Sept. 10-15.

Crego Shell Pink. Very fine bright shade. Sept. 10-15.

Crego Deep Rose. Rich deep rose. Do not confuse this with Rose Pink. Sept. 1-5.

***Crego Blue Flame.** A rich fairly deep blue with extra large, fully double flowers on good stiff stems. Our trial of this the past season showed it highly resistant. Sept. 1.

Comet Blush Pink. Color as named. Valuable for earliness and light color effect. Fairly long-stemmed under favorable conditions. Aug. 25-Sept. 1.

Asterum Lavender. Fairly dark azure blue. Sept. 1-5.

Comet Lavender Blue. Fine size and good cut flower shade. Highly resistant. Sept. 1-5.

Asterum Rose Pink. Bright rose-pink of upright growth. Excellent market color. Aug. 25-Sept. 1.

Crego White. Large, full and clear color. Sept. 5-10.

Asterum White. Earlier but not so full or large as Crego White. Sept. 1-5.

AMERICAN BEAUTY. A valuable class because of lateness and nice incurved form.

***Azure Fairy.** Very attractive, large mid-blue. A valuable market color but this and Beauty Shell Pink are sometimes too late flowering in our latitude. Sept. 25-Oct. 1.

Shell Pink. Semple pink color. Oct. 1-5.

***Crimson.** We have improved the size, vigor and earliness of our Beauty Crimson. This is a rich deep rosy crimson, large and long-stemmed. Sept. 15-20.

***Carmine Rose.** Well named, very bright color, nice size, long-stemmed. Excellent commercial color. Sept. 25-Oct. 1.

UPRIGHT BRANCHING. Distinctive because of its strongly upright instead of spreading habit. Not generally so long or stiff-stemmed as the Branching class, but there are several first class commercial colors in this group we feel should be more largely used.

Rose Pink. Nice fairly deep rose. Sept. 5-10.

***White.** Fine size and clear color. Sept. 5-10.

Peach Blossom. Light rose-lavender-pink; a very excellent market color. Sept. 5-10.

PRICES on any of the above, including the four new Ball varieties. Each: Tr. Pkt. 50c; ¼ oz. 65c; 1 oz. \$2.00.

Early flowering is necessarily at the cost of size and stems.



All our aster seed is grown for us under the ideal climatic conditions of California where the strong sun and absence of rain throughout the growing season insures perfectly matured seed.

BALL RESISTANT ASTER LIST (Continued)

KING TYPE. Attractively pointed or quilled petals make this mid-season class outstanding. Flowers harder than in most classes and do not so easily spot or bruise. Good for market growers.

Peach Blossom. Light rose-pink. A very good market variety. Sept. 10-15.

Crimson. Bright deep color. Sept. 10-15.

ROYALS might be called a second early class, as they immediately follow and greatly improve the Queen of the Markets.

***Azure Blue.** About the shade of Branching Azure Blue. Fine size. The two keep up a nice succession of this color. Sept. 5-10.

***Shell Pink.** Nicely shaped large flower, fairly long-stemmed. In the Simple Pink color class. Sept. 1-5.

***White.** The Royal White stock we are sending out this season will, we believe, be found more strongly resistant. Aug. 25-Sept. 1.

Purple. Our new Ball Deep Purple very much better.

QUEEN OF THE MARKET. Medium size, July flowering, and of fine branching habit. Resistance of this class is, generally, not quite so high as in the later classes, except Queen of the Market Crimson and Deep Rose.

***White.** Fairly resistant but will do well in clean soil.

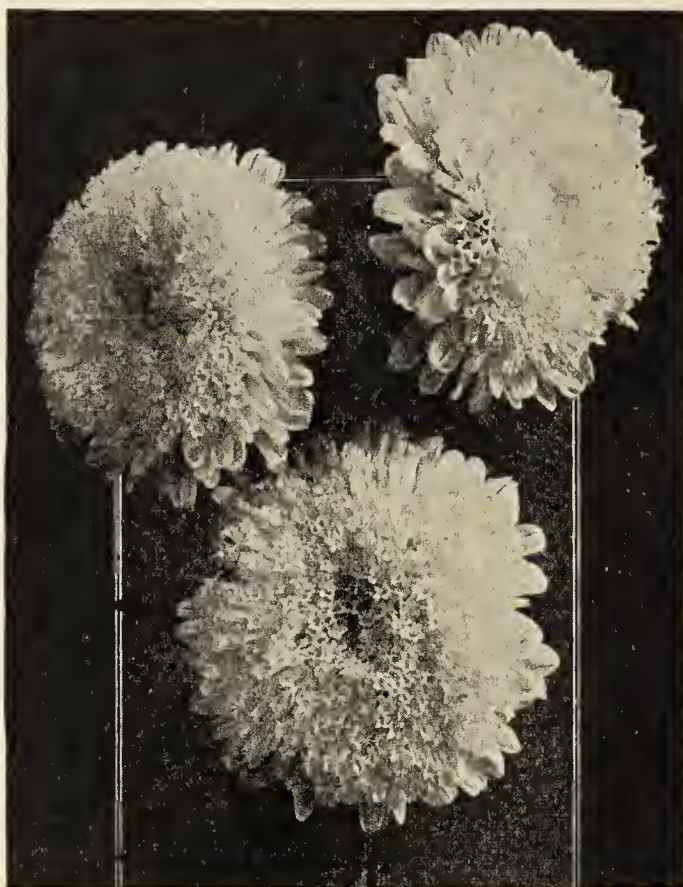
***Mid-blue.** We have not tested this, but as noted under California conditions, the color is bright and resistance good. An attractive color.

***Deep Rose.** We find this highly resistant and a strong summer color.

Flesh Pink. Rather light color and we do not recommend it for market growers.

Dark Blue. Somewhat heavy for most purposes.

Crimson. Highly resistant but easily oversupplied.



"Golden Sheaf" supplies the demand for a yellow aster. We find it highly resistant.

PRICES on any of the above, including the four new Ball varieties, Each: Tr. Pkt. 50c, ¼ oz. 65c; 1 oz. \$2.00.

VARIOUS RESISTANT VARIETIES.

Heart of France. Our resistant strain of this brilliant red is some larger and longer stemmed than the original stock, also about a week later. Aug. 20-25. Tr. Pkt. 50c; ¼ oz. 65c; 1 oz. \$2.00.

***Aurora "Golden Sheaf."** Fair size with center petals quilled and cushioned. No single flowers. Distinguished by a fairly deep lemon yellow. **Golden Sheaf** will be found valuable in limited quantities. Tr. Pkt. 50c; ¼ oz. \$1.00; 1 oz. \$3.50.

RESISTANT STRAINS IN MIXTURES.

Salmon Rose Shades. This is our original color mixture of Comets largely light salmon-rose with a few deep rose. Will be attractive to a retail grower. Sept. 5-10.

American Branching Mixture.

Royal Mixture.

Queen of the Market Mixture.

King Mixture.

These mixtures were selected by us on their merits. All are well balanced and will provide all colors.

PRICES on above MIXTURES ONLY: Tr. Pkt. 35; ¼ oz. 50; 1 oz. \$1.75.

A FEW SUGGESTIONS

The transplanting of asters, and most other plants as well, is more of a check or injury than we generally realize. Sowing seed direct overcomes this and makes a difference in their growth, but it brings the crop in some later and shorter stemmed. So in planting out, do so on a cloudy, cool day if possible, and water promptly. When asters are ordinarily planted in the field and without water they brace up in a few days and grow right along, but all too frequently the open field crop and method of handling is a failure; and we wonder why. We do not believe any florist crop, during an average season, can be made profitable without the protection of water, especially asters.

Of this we are certain: It pays better to plant a small lot and care for them intensively than a large acreage and let them more or less take care of themselves. There are real possibilities in asters, and to realize them use well enriched and prepared soil, transplant carefully, and water thoroughly when necessary. Also, here in our section, the protection of a cloth house is necessary.

REGULAR AMERICAN ASTERS

In clean soil or where rot is not serious our California grown strains of asters will be found generally satisfactory.

IMBRICATED POMPON ASTERS. This small flowering class is becoming appreciated as they should be. Favorable cultural conditions are necessary to draw up the stems, and they should be planted close; we use 8 x 8 in. Also, they should be supported. All the following colors are choice; Rose is the most valuable, and we find, the most susceptible to stem rot.

Rose Violet Crimson with White Center Light Blue with White Center
Light Blue White Mixture of all colors

PRICES: Tr. Pkt. 35c; ¼ oz. 50c; 1 oz. \$1.75.

EARLY WONDER. Tr. Pkt. ¼ oz. 1 oz.
Lavender Rose White
Separate colors, Each..... \$.25 \$.50 \$1.75
Mixed, all colors..... .25 .40 1.50

QUEEN OF THE MARKET.
Dark Blue Shell Pink
Crimson Purple
Dark Lavender Rose Pink
Deep Rose White
Separate colors, Each..... \$.25 \$.30 \$1.00
Mixed, all colors..... .20 .25 .75

ROYALS.
Azure Blue White
Rose Pink Lavender
Deep Rose Purple
Separate colors, Each..... \$.25 \$.35 \$1.30
Mixed, all colors..... .20 .35 1.20

KING TYPE.
Crimson Rose
Lavender Violet
Separate colors, Each..... \$.25 \$.35 \$1.30
Mixed, all colors..... .20 .35 1.20

CREGO, OR GIANT COMET.
Azure Blue White
Shell Pink Rose Pink
Lavender
Separate colors, Each..... \$.25 \$.35 \$1.30
Mixed, all colors..... .20 .30 1.00

AMERICAN BRANCHING. Tr. Pkt. ¼ oz. 1 oz.
Azure Blue Rose Pink
Peerless Pink Peach Blossom
Deep Rose Sensation
Purple White
Lavender Shell Pink (Mary Semple).
Separate colors, Each..... \$.25 \$.30 \$1.00
Mixed, all colors..... .20 .25 .75

SINGLE CHINENSIS.
Carmine Rose Dark Blue
Flesh Pink Lavender (or light blue)
Marshal Joffre (Dark Scarlet)
Separate colors, Each..... \$.15 \$.25 \$.75
Mixed, all colors..... .15 .20 .65

THE SUNSHINE.
Lavender Pink
Separate colors, Each..... \$.25 \$.50 \$1.50
Mixed, all colors..... .20 .40 1.25

AMERICAN BEAUTY.
Azure Fairy Shell Pink
Purple White
Separate colors, Each..... \$.25 \$.50 \$1.50
Mixed, all colors..... .25 .40 1.40

CALIFORNIA GIANTS.
Dark Purple Deep Rose
Peach Blossom Light Blue
White
Separate colors, Each..... \$.35 \$.75 \$2.50
Mixed, all colors..... .35 .60 2.00

SUPER GIANT LOS ANGELES. Extra large-flowered and early; California Giant Shell Pink.
Tr. Pkt. 50c; ¼ oz. \$1.00; 1 oz. \$3.00.

GIANT CALIFORNIA SUNSHINE ASTERS IN SEPARATE COLORS (new).

A highly attractive class of singles with a prominent cushioned center and in separate colors. Will produce a small percentage of long-stemmed singles that in themselves are valuable for cutting. Non-resistant, but we recommend a trial of this new class where stem rot is not serious. Available in the following four colors.

White Lavender Rose Shell Pink

PRICES, Each: Tr. Pkt. 35c; ¼ oz. \$1.00; 1 oz. \$3.50.

GIANT CALIFORNIA SUNSHINE MIXED. Tr. Pkt. 35c; ¼ oz. 60c; 1 oz. \$2.25.

VARIOUS ASTERS

	Tr. Pkt.	¼ oz.	1 oz.
Ball White.....	\$.35	\$.60	\$2.00
Heart of France.....	.25	.40	1.40
Peerless Yellow (Golden Sun).....	.35	.60	2.25
Boltze's Dwarf Boquet Mixed.....	.25	.50	1.50
Jugend (Youth). Chamois-rose; extra double	5 Pkts. \$1.00	.25	

What varieties are best? That varies with climate and location.

EXCELLENT PETUNIAS

NO CLASS of seed-grown stock is so difficult to maintain fairly true to color and type as a good strain of Giant petunia. No matter how carefully the seed crop is grown and rogued, a small proportion in most varieties will revert to the smaller types or off colors from which the variety was developed. We specialize in Petunias, and we annually inspect our growing crops in Europe and America. In addition we run a trial ground that enables us to know thru exact figures what is good or bad, not only of petunias, but other stock as well. We do all that can be done to supply only varieties or strains of petunias that are true to type, and we feel confident that we have not overlooked any superior ones. And, don't overlook the fact that the demand for well-grown petunias is increasing annually. We offer the various classes in the order of their size and value.

PLEASE NOTE: Every lot of petunia seed offered below was tested for germination in December, 1934, and we know it will grow if handled right. In sowing we advise using gentle bottom heat and little or no covering. Our germination tests are made in electrically heated and controlled greenhouse beds. The warm end of a carnation house in which temperature doesn't drop below 52-54° will do very well. Don't get flats too close to heating pipes. An overhead spraying will wash uncovered seed into the soil enough to germinate it if uniform moisture and protection from air and sun is provided. We issue a circular gratis on growing petunias that might be of further interest. Shall we enclose a copy?



All lots of seed we send out must and do grow under actual greenhouse conditions before it leaves us. Above are two views of our "germinating" house.

(*) These stars indicate varieties we find particularly valuable.

THE CALIFORNIA GIANTS. This is an extra large flowering, open throat, single class and is particularly attractive when flowered in 3 in. pots. Not quite so vigorous in growth as are the smaller types but choice for bedding under favorable conditions.

	Tr. Pkt.	$\frac{1}{8}$ oz.	$\frac{1}{3}$ oz.
*No. 1 Ball Dwarf Giants. This is our most uniformly fine dwarf strain, fully 90% large, wavy flowers. Fairly dark, extra choice mixture.....	\$1.50	\$2.50	\$4.75
*No. 2 Dwarf California Giants — Ramona Strain. Not quite so uniformly dwarf or wavy as our No. 1 strain, but a very excellent one with plenty dark shades.... $\frac{1}{16}$ oz.	\$5.00	1.00	1.75
No. 3 Giants of California Medium Dwarf. Of ideal habit that might be preferred to the very dwarf strains because of greater vigor. Largely dark shades..... $\frac{1}{16}$ oz.	\$5.00	1.00	1.75
No. 4 Giants of California, Medium Dwarf — Light Shades..... $\frac{1}{16}$ oz.	\$5.00	1.00	1.75
No. 5 Giants of California — Regular Strain. Fairly tall habit, Medium dark shades. $\frac{1}{16}$ oz.	\$3.50	.50	1.25
			2.00

You will find our No. 2 and No. 3 very excellent all-purpose strains.

Please order by name and number.

RUFFLED GIANTS — Distinct separate colors.

*Prince of Wuerttemberg. Deep rose with black throat; fine.....	.75	1.50	2.75
Princess of Wuerttemberg. Light rose-pink, dark throat.....	.50	1.25	2.25
*German Empress. Bluish white, dark throat.....	.50	1.50	2.75

Color effect of above two is light.

Harlequin. Coppery scarlet, dark throat, blotched white.....	1.00	2.00	3.75
*Dark Copper Red. Bright coppery crimson. Very rich.....	1.00	1.50	2.50
Light Copper Red. Rich old rose red.....	1.00	1.50	2.75
King Alphonso. Rich crimson, black throat.....	.50	1.50	
Rheingold. Large white, yellow throat.....	.50	1.50	

DOUBLE FLOWERING STRAINS. Valuable for use as fine pot plants or for cutting.

*All Double "Victorious." The new "All double" strain. We find this produces about 75-80% full double flowers; all of balance semi-doubles. Fairly compact in growth. Colors fairly dark. $\frac{1}{2}$ Tr. Pkt. \$1.00; Tr. Pkt. \$2.00; 3 Tr. Pkts. \$5.00.

*All Double "Pink Perfection." (World Beauty). The same proportion of double flowers and habit as Victorious, but comes about 65% bright pleasing pink, varying a trifle from light to dark. We consider this very excellent. $\frac{1}{2}$ Tr. Pkt. \$1.00; Tr. Pkt. \$2.00; 3 Tr. Pkts. \$5.00.

All Double White with Blue Vein. Bluish white with deeper striping thru flower. Habit same as Victorious. Comes very true to color and habit. $\frac{1}{2}$ Tr. Pkt. \$1.00; Tr. Pkt. \$2.00; 3 Tr. Pkts. \$5.00.

EXCELLENT PETUNIAS (Continued)

DOUBLE FLOWERING STRAINS—Continued.

***Double Dwarf Fringed Strain.** (Dreer's). This produces 35-40% uniformly double finely fringed flowers in an excellent mixture of colors. Of ideal dwarf habit. 500 seeds **75c**; 1000 seeds **\$1.50**.

Giant Double Fringed, "Pink and White." Extra large flowered, medium tall and very pleasing colors. Around 50% double. Tr. Pkt. 1000 seeds **\$1.50**.

Giant Double Fringed White "Madonna." Large nicely fringed, uniformly clear white. ½ Tr. Pkt. 500 seeds **75c**; Tr. Pkt. 1000 seeds **\$1.50**.

Double Rosy Morn. Last season we sent out some stock of a poor tall strain of this. Our present stock is dwarf (10 in.), and 50% true semi-double. Tr. Pkt. 1000 seeds **\$1.00**, ¼ oz. **\$1.75**.

The production of full double flowers in all double strains of petunias will vary some with growing conditions, which must be favorable for the highest percentage. Also double flowering seedlings are inherently weaker than the singles. For this reason unfavorable seed bed conditions will destroy some of the finest. Therefore, be especially careful in germinating double petunia seed.

Tr. Pkt. ¼ oz. ½ oz.

GRANDIFLORA — FRINGED.

This class combines nice size with a much freer flowering habit than the Giants. Valuable for any purpose.

***Apple Blossom.** (new). Richly fringed, light coral pink. **\$1.00 \$1.75**

Aurora. Light rose, veined purple; extra attractive. **.75 1.50**

Brilliant Rose. Very effective bright rose. **.75 1.50**

***Fluffy Ruffles.** (Ball Special Strain). Our strain of this fringed mixture is very excellent. **.50 .80 \$1.50**

Dwarf Fringed Lilac. Extra large, heavy blue veins on light ground with deeply colored throat. Beautifully fringed and of very compact growth. **.75**

Fringed Royal Purple. Very rich and finely fringed. **\$1.00 \$2.00 \$3.75**

Gottfried Michaelis. Heavy amaranth red. **.50**

Lace Veil. Finely fringed white. **1.00 2.00**

***Maculata.** Large finely fringed rose and white; very excellent. **1.00**

Pepita. Carmine and white blotched; choice. **.75 1.50**

Pink Triumph. Rose-pink; large well fringed. **.50 1.00 1.75**

Pride of Portland. Clear pink. **.50 1.25**

Romany Lass. Coppery crimson, dark throat. **.50 1.25**

***Setting Sun.** Brilliant rose; compact growth. **.75 1.75 3.00**

Theodosia. Rose-pink with gold center. **.50 1.25 2.25**

White Beauty. Large and well fringed. **.50 .80 1.50**

GRANDIFLORA — Ruffled and Plain Edged.

Balcony Queen. Rich velvety blue, blotched white. **.50 1.25 2.00**

***Elk's Pride Improved.** Velvety violet purple; excellent. **.50 1.25**

Giant Steel Blue. Well named. **.50 1.25**

Kermesina. Very large tyrian rose. **.75 1.25 2.00**

Dwarf Pink Glory. Produce 50% to 60% ideal dwarf plants of rich flaming rose-pink color. **.75 1.50 2.75**

Pink Glory. Brilliant rose, fairly uniform habit. **.50 .75 1.50**

Purple Prince. **.50 1.25**

Queen of the Market. New deep carmine. **.50 1.25 2.00**

Viola cea. Velvety violet-blue. **.75 1.50**

***White Cloud.** The finest white all-purpose variety. **.50 1.25 2.00**

Silver Seam. Dark violet-blue with a distinctive white seam or border. Very effective. 500 Seeds **75c**.



Petunia Lace Veil is one of a new dwarf fringed class that make excellent pot plants

SINGLE FRINGED MIXTURES — Two very excellent strains.

***No. 1 Ball Single Fringed Mixed.** A strong growing and very free flowering strain of medium size and finely fringed. Outstanding for strong growth and flowering habit. Our stock for this season will contain more dark colors. Tr. Pkt. **50c**, ⅓ oz. **\$1.50**; ⅛ oz. **\$2.50**; ¼ oz. **\$4.50**.

***No. 2 Grandiflora Fringed Mixed — Ball Strain.** This is a very attractive fringed mixture. It is made up of choice Grandifloras and is especially recommended for fine pot plant or flat growing. This is a very excellent mixture. Tr. Pkt. **60c**, ⅓ oz. **\$1.50**; ⅓ oz. **\$2.50**; ⅛ oz. **\$4.00**.

Please order by name and number.

BALCONY TYPE. A medium size flowered class, especially valuable for porch or window boxes.

*Rose

Blue

Alba

*Royal Purple

Crimson

Mixed

PRICES, Each: Tr. Pkt. **35c**; ⅓ oz. **65c**; 1 oz. **\$3.50**.

Black Prince. (new). Balcony. Deep black red, very rich. Tr. Pkts. only **50c**.



EXCELLENT PETUNIAS (Continued)

DWARF HYBRIDA CLASS. Erect and distinctly compact growth. The most popular bedding class. 1 ft. and less.

***Ball's Celestial Rose.** (in color on back cover). Introduced by us to the American trade last season. Generally accepted as the choicest compact deep rose bedding petunia. Greatly improves Rose of Heaven in color and habit. Should be used exclusively for a rose-pink bedding variety. Tr. Pkt. **40c**; $\frac{1}{8}$ oz. **75c**; $\frac{1}{4}$ oz. **\$1.40**; 1 oz. **\$5.00**; 2 oz. **\$9.00**.

	Tr. Pkt.	$\frac{1}{4}$ oz.	1 oz.
Admiral. (new). Compact rich blue. Produces about 10% rogues.....	\$.75		
Alderman. Deep violet.....	.35	\$.60	\$2.00
Blue Bird. Deep violet blue.....	.35	.75	2.50
Sutton's Blue Bedder. (Chicago Blue). Compact clear blue.....	.40	1.25	4.00
*Blue Perfection. Very choice true mid-blue.....	.25	.75	2.50
Cockatoo. Violet with irregular white spots.....	.50		
*Heavenly Blue. We have true stock of this popular mid-blue.....	$\frac{1}{32}$ oz. \$1.00		
Martha Washington. (new). Ruffled blush white, reddish throat; excellent..	$\frac{1}{8}$ oz. \$1.50	2.75	
Norma. True stock is short, Trade Packets only.....	$\frac{1}{32}$ oz. \$2.00	.75	
Pink Gem. Extra dwarf, small light rose-pink flowers.....	.50		
Rose of Heaven. A standard rose pink.....	.50	1.75	6.50
*Rosy Morn. Rose with white throat. Excellent.....	.30	.50	1.75
Senator. Bright purple, white throat; dwarf, free flowering.....	.35	.75	2.50
Snowball. A choice white for bedding.....	.35	.75	2.75
Special Hybrida Mixture.....	.25	.40	1.50
		.25	.50

HYBRIDA — SMALL-FLOWERED. $1\frac{1}{2}$ ft.
There are some choice exceedingly free flowering kinds in this class.

	Tr. Pkt.	$\frac{1}{4}$ oz.	1 oz.
Alba. Free flowering white.....	\$1.15	\$.25	\$.75
Blue Bee. Violet blue.....	.25	.40	1.50
Carmen Sylva. Violet white throat.....	.20	.40	1.25
Countess of Ellsmere. Rose, white throat.....	.15	.25	.75
General Dodds. Velvety blood red.....	.25	.40	1.50
*Howard's Star Improved. (new). We have an improved stock that is 95% true.....	.50		
Inimitable. Deep carmine striped white.....	.25	.40	1.50
Lord Courtenay. Golden rose.....	.20	.35	1.25
Violet Gem. Deep violet.....	.25	.40	1.50
Exquisite Mixed.....	.25	.50	1.50

DIENER'S VARIETIES. We supply the following in originator's packets:

	Tr. Pkt.	$\frac{1}{4}$ oz.
No. 1 Ruffled Monster Pink.....	\$.50	\$2.50
No. 2 Ruffled Giant Flesh Pink, with deep center.....	.50	
No. 5 Red, with dark center and veins.....	.50	
No. 8 Ruffled Monster Mixed.....	.50	2.50
No. 11 Blue, semi-dwarf.....	.25	
No. 19 Giant Pink Glory. Improved Pink Glory.....	.50	2.50
No. 20 Mauve Ruffled Monster type.....	.50	
No. 22 Rose color. Improved Rosy Morn.....	.25	
No. 47 Jumbo Mixture. A select Giant Mixture.....	1.00	

Please Note. The above varieties come direct to us from Diener in his original packets.

LATE OR SUMMER PEAS

This late flowering or original class will flourish in most sections of America if properly managed. They weaken rapidly with the coming of hot weather. An early start, **which is all important**, will produce a crop before such weather sets in. We sow in the greenhouse about February 15, grow on in 3 in. pots, and plant out early. This gives a heavy crop during June and July. A very early spring sowing outdoors produces fairly good results under favorable conditions. We have grown a profitable crop of these peas annually for the past 25 years. Our experience is put down in a circular "Summer Peas" by GEO. J. BALL. Shall we enclose it?

Ambition. Finest deep lavender.
Austin Frederick Improved. Large rosy lavender.
Avalanche. Finest white-seeded white.
Beatall. Sparkling pink, suffused salmon.
Blanche Ferry. Rose and white bicolor.
Blue Bird. The finest clear blue.
Campfire. Sunproof deep scarlet.
Chieftain. Rich satiny mauve.
Commander Godsall. Deep violet-blue.
Constance Hinton. Best black-seeded white.
Crimson King. Fine sunproof crimson.
Debutante. Soft salmon shaded peach-pink.
Doreen. Large rich carmine.
Elfrida Pearson. Clear light pink.
Fluffy Ruffles. Cream-pink.
Giant White. Pure white.
Gleneagles. Clear even lavender.
Hawlmork Lavender. Finest light lavender.

Hawlmork Pink. Rose-pink shaded salmon.
Heavenly Blue. Delphinium-blue.
Hebe. The finest large rose-pink.
Hercules. Standard deep rose-pink.
Hero. Cerise.
Magnet. An improved Miss California.
Mary Pickford. Fine cream salmon-pink.
Miss California. Large salmon-rose.
Model. Best black-seeded white.
Mrs. Cuthbertson. Pink and white bicolor.
Pinkie. The finest rose-pink, strong grower.
Powerscourt. Finest lilac-lavender.
Royal Purple. Large rich purple.
Royal Scot. Sunproof orange-scarlet.
Supreme. Soft, delicate pink.
Warrior. Deep bronze-maroon.
Welcome. Deep bright scarlet; sunproof.
Youth. Light Picotee pink.

Prices on all above standard varieties: $\frac{1}{2}$ oz. **15c**; 1 oz. **20c**; 4 oz. **60c**; 1 lb. **\$1.75**.

Ball Florist's Mixture. This is a carefully balanced mixture of colors largely used in cut flower work. 1 oz. **15c**; 4 oz. **50c**; 1 lb. **\$1.65**; 5 lbs. **\$7.50**.

	$\frac{1}{2}$ oz.	1 oz.	4 oz.	1 lb.
Bonnie Briar. (new). Sparkling rose suffused amber.....	\$.20	\$.30	\$1.00	\$3.00
Lady Ruffles. (new). Large ruffled soft pink.....	.20	.30	1.00	3.00
Mastercream. (new). Black-seeded, extra large cream.....	.30	.50	1.50	5.00
Pinnacle. We consider this the season's outstanding new commercial sweet pea for florists. The color is a true, uniform deep rose-pink, deeper than Pinkie. Of medium size, strong grower, and free flowering. Pkt. 30 seeds 25c .				

EARLY FLOWERING PEAS

THIS EARLY or winter flowering class is sown to advantage, in our latitude, up to February 15. This late sowing will usually make Easter, be in heavy for Mother's Day and Memorial Day, and, unless much warm weather interferes, a late sowing will carry into June. Another sowing of the early class that we have worked out and find profitable is made outdoors about June 15-20. This is made under the protection of aster cloth, though next season we shall use our cold or sash houses for this purpose. This sowing gets into full crop with us late in August and produces heavily until cut down by frost. Strong weekly spraying, especially this outdoor crop, we find necessary to hold down aphids, that otherwise would quickly destroy them in high temperatures.

We have been specializing in early peas for the past 25 years, and our experience is at your service. We annually test the commercial value of new varieties from all responsible sources, and only such as have florist value will be found in our list.

Starred (*) varieties are our choice of the best standard cut flower kind for florists.

	1/2 oz.	1 oz.	4 oz.	1 lb.
American Beauty. Rich crimson rose.....	\$.25	\$.40	\$1.40	\$4.50
Amethyst. Rich bright purple.....	.25	.50	1.50	5.50
*Apollo. Salmon-cerise, long-stemmed. Fine for spring.....	.25	.40	1.40	4.50
Attraction. Rich salmon rose, long-stemmed.....	.40	.75	2.50	8.00
Aurora. Orange-scarlet striped. Attractive novelty color.....	.25	.40	1.40	4.50
*Ball's Blue. Free-flowering blue.....	.25	.40	1.40	4.50
*Ball Orange. Finest orange. Deep attractive shade.....	.30	.50	1.50	5.00
Ball Rose. The finest rich deep rose.....	.25	.40	1.40	4.50
*Ball Rose Improved. Extra rich deep rose. The finest rose.....	.30	.50	1.50	5.00
Ball Rose Queen. Extra long-stemmed rose-pink.....	.25	.40	1.40	4.50
Blue Bird. Mrs. Hoover is better.....	.25	.40	1.40	4.50
Bright Light. Vivid orange-scarlet.....	.25	.40	1.40	4.50
Burpee's Orange. Lighter shade.....	.25	.40	1.40	4.50
Cattleya. (new). Attractive rosy-lilac.....	.25	.50	1.50	5.50
Chevalier. Dark rose.....	.25	.45	1.40	5.00
Columbia. Pink and white bicolor.....	.25	.40	1.40	4.50
*Eileen. Rich deep pink, large and long-stemmed.....	.75	1.25	4.00	15.00
Eldorado. Light orange.....	.25	.40	1.40	4.50
Eleanor Blue. Light blue, for spring flowering only.....	.25	.50	1.50	5.50
Flamingo. Orange-salmon. Long-stemmed.....	.25	.40	1.40	4.50
Fragrance. Orchid-lavender, prefer Harmony.....	.30	.50	1.50	5.50
Giant Rose. Well named, but not long-stemmed.....	.25	.40	1.40	4.50
Glitters. Early Pride much better.....	.25	.40	1.40	4.50
Grenadier. Poppy-scarlet. Rather heavy shade.....	.25	.40	1.40	4.50
Harlequin. Bicolor chocolate. Very attractive novelty.....	.25	.40	1.40	4.50
*Harmony. Finest lavender.....	.25	.40	1.40	4.50
*Heather Bell. Rosy-lavender, medium size but free.....	.25	.40	1.40	4.50
*Hope. Very fine white, black-seeded.....	.25	.45	1.50	5.00
Indigo Blue. Dark shade of clear blue.....	.25	.40	1.40	4.50
*Jeanne Mamitsch. Long-stemmed rose, medium size.....	.25	.40	1.40	4.50
*Laddie. Extra long-stemmed rose and large.....	.25	.40	1.40	4.50
Lavanda. Clear lavender.....	.60	1.00	3.00	10.00
Majestic Rose. Rose-pink. Excellent shade.....	.25	.45	1.40	5.00
Maroon Prince. Dark maroon, rather heavy.....	.25	.40	1.40	4.50
Mauve Beauty. Rich clear mauve.....	.25	.40	1.40	4.50
Michigan. Large lavender.....	.25	.40	1.40	4.50
Miss Spokane. Bright red.....	.25	.40	1.40	4.50
Mrs. Holscher. Very good rose-pink.....	.25	.40	1.40	4.50
*Mrs. Hoover. Extra long-stemmed blue, and tall grower.....	.25	.40	1.40	4.50
Pink Profusion. Rose-pink.....	.25	.40	1.40	4.50
*Pride. Early long-stemmed deep cerise, very attractive.....	.25	.40	1.40	4.50
Prosperity. Soft glowing rose-cream.....	.30	.50	1.60	6.00
Red Bird. Crimson-red.....	.25	.40	1.40	4.50
Snowstorm. Prefer black-seeded kind, medium stem.....	.25	.40	1.40	4.50
Spring song. Large rich salmon-pink, medium stem.....	.25	.40	1.40	4.50
*Sunray. Light cerise, fine long-stemmed.....	.25	.40	1.40	4.50
Superior Pink. Deep rose; Ball Rose is superior.....	.25	.40	1.40	4.50
Torch. Salmon-orange.....	.25	.40	1.40	4.50
Vulcan. Prefer Early Bright Light.....	.25	.40	1.40	4.50
*White Harmony. Extra long-stemmed black-seeded.....	.25	.40	1.40	4.50
Zvolanek's Rose. Laddie is much better.....	.25	.40	1.40	4.50

Ball Early Pea Mixture. A combination of nearly all the above colors including a large proportion of the standard cut flower kinds. 1/2 oz. 20; 1 oz. 35; 4 oz. \$1.10; 1 lb. \$4.00.

In ordering Sweet Peas state if Winter or Summer kinds are wanted.



"FLOWER SEEDS FOR FLORISTS"

BALL NON BRANCHING STOCKS

This class is safely sown up to February 15 — not later, in our latitude, flowering early in June; if sown later they are liable to come blind with us. An early January sowing makes Mother's Day, depending much on weather and temperature. These dates apply also to the Branching Class.

WE DEVOTE a house 300 x 50 ft. entirely to breeding better non-branching strains of stocks. This work is in full flower during May of each year and you are cordially invited to inspect it. As a result of this work we expect to have several new colors in true non-branching strains to release seed of about August 1, 1935. There is much to be done in truing up the non-branching habit of many so-called Column Stocks. And the proportion of doubles needs increasing in some varieties.

We regret that crop failures in both Europe and America has produced shortages of good seed the past few seasons, but we are glad to report our California crop to be fairly good the past fall in all colors except Chamois Pink. This new crop of seed is well matured and of good germination. We offer the following varieties:

Lilac Lavender

Ball's White

Ball's White Dwarf

Ruby

PRICES, Each: ½ Tr. Pkt. 60c; Tr. Pkt. \$1.00; ¼ oz. \$2.25; 1 oz. \$8.00.

Ball Stocks Mixture. A combination of the above colors proportioned as required for most cut flower work. Tr. Pkt. 75c; ¼ oz. \$2.00; 1 oz. \$7.00.

BRANCHING STOCKS

The best cut flower colors are starred (*).

IMPROVED BISMARCKS

The Improved Bismarck class is generally preferred in Branching Stocks because of earliness and high percentage of doubles.

***Rose.** Fine standard color.

Flesh. Delicate shade of pink.

***Lavender.** A standard color.

***Chamois.** Choice market color.

***Golden Ball.** Clear ivory-yellow.

***White, Early.** Clear white.

Apple Blossom. Light pink.

***Lilac.** Lilac-lavender.

Blood Red.

Tr. Pkt. ¼ oz. 1 oz.

PRICES, Each,

Above \$.35 \$1.00 \$3.00

Mixed, all colors .25 .60 2.25

Elk's Pride. Rich deep purple.

Antique Copper. Fine copper-red.

Buttercup. Deep yellow.

Shasta. New giant white. Described as much taller and longer-stemmed than Bismarck White.

Tr. Pkt. ¼ oz. 1 oz.

PRICES, Each,

Above \$.40 \$1.00 \$3.50

***Santa Maria.** A giant new pure white; long-stemmed habit and good percentage of doubles

Tr. Pkt. 25c; ¼ oz. \$1.00;

1 oz. \$3.75.

PERPETUAL BRANCHING

***Rose.** A clear even shade.

Sapphire. Violet or dark lavender.

***May Queen.** Lavender or pale blue.

Snowdrift. Fine clear white.

Princess Alice. Early white.

La France. Blush, nearly white.

***Heatham Beauty.** Terra cotta rose.

***Empress Augusta Victoria.** Silver-lilac and fine.

Blood Red. Not good market color.

Dark Blue Tr. Pkt. ¼ oz. 1 oz.

PRICES, Each . . . \$.25 \$.65 \$2.25

Mixed, all colors .25 .50 1.75

BEAUTY OF NICE

Mont Blanc. Clear, extra early white.

Monte Carlo. Rich canary-yellow.

***Aurora.** Golden buff, fine.

Belle de Naples. Rich old rose.

Beauty of Nice. Flesh-pink.

***Cote D' Azure.** Lavender-blue.

Summer Night. Early purple.

Carmine Rose. (Abundance).

American Beauty. Deep rose.

***Queen Alexandra.** Rosy lilac, fine.

Tr. Pkt. ¼ oz. 1 oz.

PRICES, Each . . . \$.25 \$.65 \$2.25

Mixed, all colors .25 .50 1.75

TEN WEEKS STOCKS

This class is of compact branching habit, ideally suited for pot plants or bedding, but not for cut flowers. Produces a high percentage of doubles.

Blood Red
Lavender

Canary Yellow
Carmine Pink

Purple
White

Deep Rose

PRICES, Each \$.25 \$.75 \$2.25

Mixed, all colors25 .50 1.75

SNOWFLAKE. Wallflower Leaved. Dark green foliage that contrasts effectively with the pure white flowers, 12 in. and valuable as a pot plant. Tr. Pkt. 35c; ¼ oz. \$1.50.



SNAPDRAGONS

The production of forcing or winter snapdragon seed is one of our leading greenhouse specialties.

WE HAVE found it necessary to produce our own seed to insure our supply being true to color. Every lot of our snapdragon seed receives a flowering test before it is sent out. This insures it being right; such a test is, of course, necessary to avoid disappointment. We get complaints on its germination, of course, tho we keep this checked most thoroly. We feel sure much loss in germinating such small seed would be avoided if it were sown without the use of any covering. A light spraying will wash it into the soil enough to germinate it if closely protected from sun and air. We test the germination of all our small seed in this way.

RUST RESISTANT STRAINS have been developed in California that are highly resistant under conditions that greatly favor the spread of rust. This is an established fact, and it will be of interest and value particularly for outdoor growers of this crop. We have had no experience with these strains under greenhouse conditions, and for this reason we can say nothing of their early flowering habit. Following are the best available varieties of rust resistant strains:

Shasta. Described as an early-flowering pure white with a Ceylon Court habit.

Florist Pearl. Described as a rust-proof White Rock except that the flowers are larger.

Maximum Crimson. Habit same as the late maximums. Strong fiery crimson.

PRICES on each of the above: Tr. Pkt. **75c**; $\frac{1}{32}$ oz. **\$1.25**.

University of California Mixture. Described as a mixture of popular colors. Tr. Pkt. **50c**; $\frac{1}{16}$ oz. **\$1.25**.

The following twelve are the best and most called for standard forcing varieties in America, listed in the order of their value **AS WE FIND THEM**.

	Tr. Pkt.	3 Pkts.	5 Pkts.
Cheviot Maid Supreme. Best fairly deep rose. Extra early flowering.....	\$1.00	\$2.50	\$3.50
New Cincinnati. Finest light rose. Extra large flowered, medium early.....	1.00	2.50	3.50
Rose Queen. Very fine deep rose. Medium early.....	1.00	2.50	3.50
New Deal. Large coppery yellow. Extra early. Excellent.....	2.00	5.00	
Afterglow. Deep golden orange. Medium early.....	1.00	2.50	3.50
Sun Tan. Orange-tan. Extra early.....	1.00	2.50	3.50
Coates' Yellow Perfection. Finest deep yellow. Medium early.....	1.50	4.00	6.50
Ceylon Court. Standard earliest yellow.....	1.00	2.50	3.50
Lucky Strike. The best white. Medium early.....	1.50	4.00	6.50
Terry's Surprise. Golden orange shaded rose. Medium early.....	1.00	2.50	3.50
Winter Helen. Improved Helen.....	1.00	2.50	3.50
Velvet Beauty. American Beauty red.....	1.50	4.00	6.50
Ball Florist Mixture. This includes the above 12 choicest varieties only, and contains fully half the best pink shades with plenty of yellow and white. This is intended to meet the demand for a limited amount of all the best colors.....	.75	2.00	

OTHER STANDARD WINTER-FLOWERING VARIETIES

	Tr. Pkt.	3 Pkts.		Tr. Pkt.	3 Pkts.
Radiance. Extra large-flowered rose-pink.....	\$1.50	\$4.00	Geneva Pink. Rich clear pink.....	\$.50	\$1.25
Jennie Schneider. Light rose.....	1.00	2.00	Philadelphia Pink. Standard pink.....	1.00	2.50
Roman Gold. Bright coppery yellow..	1.00	2.50	Laura. Deep rose.....	1.00	2.50
Cheviot Maid. Yoder Strain. Light shade	1.00	2.50	Golden Pink Queen. As named.....	1.00	2.50
Cheviot Maid. Original strain.....	1.00	2.00	Helen. Salmon-rose.....	1.00	2.50
Winter King. Free-flowering pink.....	1.00	2.50	Kirkwood Beauty. (new). Bronze.....	2.00	
Alice Sunshine. Yellow.....	1.50		Standard Early Mixture. This is a mixture of all the above early flowering varieties including the 12 best.....	.50	1.40
Bertha Baur. The only early lavender...	2.00	5.00			
White Rock. Standard white, tall.....	.50	1.25			
Allman's Pink. Silvery rose-pink.....	1.00	2.50			

THE LATE FLOWERING CLASS

There are a few colors or varieties in this class that have value for greenhouse flowering during the spring months. They remain blind thruout the winter; however, if sown in January, they flower in May, but will be 1 to 2 weeks later than the early flowering kind started at the same time. The choicest cut-flower colors are starred (*).

MAXIMUM GIANT-FLOWERED

	Tr. Pkt.	$\frac{1}{4}$ oz.
* Apple Blossom. Delicate pink, white throat.....	\$.25	\$.60
Canary Bird. Light yellow.....	.25	.60
* Cattleya. Rosy lilac-lavender.....	.25	.60
Copper King. Copper red.....	.25	.60
* The Rose. Clear rose.....	.25	.60
Ruby. Rich heavy red.....	.25	.60
Snowflake. Clear white.....	.25	.60
Mixed.....	.25	.50

HALF-TALL VARIETIES

Excellent for cutting. This class includes some of the choicest cut flower varieties.

	Tr. Pkt.	$\frac{1}{4}$ oz.
Empress. Velvety crimson.....	\$.25	\$.40
* Golden Queen. Golden yellow.....	.25	.40
* Harmony. Rose, yellow shaded center.....	.25	.35
Orchid. Excellent lavender.....	.25	.50
His Excellency. Pure scarlet.....	.25	.75
Mixture.....	.25	.40

TOM THUMB VARIETIES

Very dwarf, 6 in., and nice for pots or bedding, but they do not hold out well under our middle west summers.

	Tr. Pkt.
Alba. White.....	\$.35
Brilliant. Crimson.....	.35
Delicate Pink......	.35
Mixed.....	.25

THE MAJESTIC CLASS

Compact growth, extra large-flowered.

	Tr. Pkt.	$\frac{1}{4}$ oz.
* Twilight. Apricot, salmon shading.... $\frac{1}{8}$ oz.	75c	\$.50
* Golden Dawn. Like early Afterglow... $\frac{1}{8}$ oz.	75c	.50
Orange King. Bright orange..... $\frac{1}{8}$ oz.	75c	.50
* Rose Beauty. (new). Rich rose-pink.....		.50
Mixed.....	.25	\$.50

HALF-DWARF VARIETIES

Excellent for bedding only.

	Tr. Pkt.	$\frac{1}{4}$ oz.
Flame. Brilliant orange scarlet.....	\$.25	\$.50
Gloria. Deep rose-pink.....	.25	.50
Climax. Orange shading yellow.....	.25	.50
Fawn. Terra Cotta pink.....	.25	.50
Purity. Pure white.....	.25	.40
Ruddy Glow. Light orange..... $\frac{1}{8}$ oz.	75c	.25
Mixture.....	.25	.40

NEW ANTIRRHINUM

*"**ENGARDE**" (new). *Majus Grandiflora*. Coral-pink and amber, yellow lip. Produces attractive flower spikes and will be found excellent for cutting. Tr. Pkt. **50c**; $\frac{1}{8}$ oz. **\$1.00**.



"FLOWER SEEDS FOR FLORISTS"

FLORISTS ZINNIAS

Wherever summers are hot, Zinnias have real "florist" value.

BOTH for cutting and selling young plants from pots or flats, Zinnias are an important item to every retail grower; and when well grown, the choicer colors and types are generally profitable for a market grower. They flourish only in a warm temperature. This applies particularly to the germination of the seed, that will rot in cold wet soil. We rarely receive complaints on this during May or June, but in March and April we are occasionally told that it will not germinate. If sown with a little bottom heat in a 60° house, it will be out of the ground in 4 or 5 days. Our nicest outdoor crop is from a sowing made about mid-June directly where it is to flower. Not being checked by transplanting or by low temperatures or small pots, they grow along vigorously, especially with the help of overhead watering. Also if sown indoors about March 1 and early April, transplanted about 10 x 10 in. in a carnation house temperature, they will produce excellent flowers in May. They are not suited to mid-winter forcing. Zinnias also draw up long-stemmed and clean under the protection of the cloth or aster house.

We issue a circular on Zinnias that discusses further details, and it might interest you. You will also find them dealt with in your Ball Red Book.

DAHLIA-FLOWERED CLASS. Generally accepted as the finest type of modern giant Zinnias. This class differs from the Giant Mammoth type in that the center petals are slightly incurved, adding a fuller or deeper effect.

Canary Bird. A delicate primrose-yellow.

Crimson Monarch. Very large crimson-red.

Dream. A fine deep lavender.

Scarlet Flame. Well named glowing color.

Golden State. A very rich orange-yellow.

Golden Dawn. Rich golden yellow, dark center.

Oriole. Orange and gold; excellent.

Old Rose. Real old rose shade; very fine.

Purple Prince. A very large deep purple.

Polar Bear. A very large white.

Illumination. Deep rose-pink.

Exquisite. Fine light rose; good for cutting.

PRICES, separate colors: Tr. Pkt. **25c**; ¼ oz. **40c**; ½ oz. **75c**; 1 oz. **\$1.25**; 1 lb. **\$12.00**.

SPECIAL OFFER: One trade packet of each of above 12 varieties for **\$2.50**.

GOLD MEDAL MIXED. This is a mixture of all Dahlia-flowered varieties and is used where a limited amount of all colors is wanted.

Tr. Pkt. **20c**; ½ oz. **60c**; 1 oz. **\$1.00**; 1 lb. **\$12.00**.

GIANT MAMMOTH TYPE. For size and general effect, this group very closely approaches the Dahlia-flowered. The difference lies in a more imbricated placement of the petals, giving the flowers a broader effect.

Cerise Queen. Very choice cerise-rose. Varies some.

Miss Willmott. Medium cream-pink, very nice soft shade. Very true.

Golden Queen. (Lemon Queen). Same as Golden Dawn. Very fine.

Brightness. Extra bright deep rose; comes fairly true to color.

Lavender Gem. Same as Dream in the Dahlia-flowered class.

Orange King. Similar in color to our Ball Orange Calendula.

Scarlet Gem. Best real scarlet in this group.

Purity. A very good clean white, but not a big selling color.

Rose Queen. Striking bright rose, deeper and brighter than Brightness.

PRICES, separate colors: Tr. Pkt. **20c**; ¼ oz. **35c**; ½ oz. **60c**; 1 oz. **\$1.00**; 1 lb. **\$11.00**.

SPECIAL OFFER: One trade packet each of above 9 varieties for **\$1.50**.

MIXED. A mixture of all Giant Mammoth Type. Tr. Pkt. **15c**; ¼ oz. **30c**; ½ oz. **50c**; 1 oz. **85c**; 1 lb. **\$10.00**.

NEW ZINNIA "FANTASY"

AS SHOWN in the cut is a distinctly new and attractive type of zinnia. The well rounded flowers are made up of an irregular petal formation that gets away from the stiff formality of the regular class. Comes in a pleasing mixture of colors. Tr. Pkt. 50c; ¼ oz. 75c; 1 oz. \$2.50.

COLOSSAL OR NEW GIANTS. This group is so clearly inferior to the Mammoth or Dahlia-flowered that we will no longer offer them except in mixture.

Mixed, all colors: Tr. Pkt. 20c; 1 oz. 65c; 1 lb. \$7.00.

DWARF OR PUMILA TYPE. Of medium size and fairly compact. A choice group for either bedding or cut flower work, and we feel that they deserve greater attention for either purpose.

Fire Ball. Very bright scarlet.

Salmon Rose. Extra choice for cut flowers.

Golden Yellow.

Canary Yellow.

Each, separate colors: Tr. Pkt. 15c; 1 oz. 50c.

Mixed, all colors: Tr. Pkt. 10c; 1 oz. 40c.

LILLIPUT OR POMPON TYPE. These flowers are about the size and formation of a large button type pompon mum and are exceedingly effective in cut flower work. Fairly compact growth. We find them and the Pumilas especially nice for growing under glass.

Golden Gem

Purple

Crimson Gem

Salmon Rose

Scarlet Gem

White Gem

Each, separate colors: Tr. Pkt. 20c; ½ oz. 40c; 1 oz. 75c; 1 lb. \$8.00.

Mixed, all colors: Tr. Pkt. 15c; ½ oz. 35c; 1 oz. 60c; 1 lb. \$7.50.

SPECIAL OFFER: Trade packet of each of the 6 Lilliput varieties, \$1.00.

Lilliput "Tom Thumb." Mixed. Compact, 4-6 in., with flowers of the Tr. Pkt. ½ oz. 1 oz.
Lilliput type. Choice for borders, bedding, pots, or rock gardens. \$.35 \$.85 \$1.50

PICOTEE DELIGHT,

Salmon Rose. Medium sized flowers with petals curled or ruffled. Attractively shaded light to dark salmon-pink. Comes fairly true to type. Choice for cutting

.25

.85

1.50

Mixed. A good mixture of this ruffled or curled type.

.25

.75

1.25

MISCELLANEOUS VARIETIES

Crown O' Gold. The base of each flower petal in this type is colored golden yellow while carrying out the individual flower color in the rest of the petal. The effect is unique and attractive. ¼ oz. 50c

.25

.85

1.50

Desert Gold. (new). A selection from Crown O' Gold type for golden yellow shades, each petal underlain with a deeper golden stripe. A very striking combination. Large-flowered type. ¼ oz. 75c

.35

2.50

Early Wonder. Extra early flowering, about 45 days, under glass, fairly long-stemmed salmon cerise pink. We find it excellent under favorable conditions. ¼ oz. 75c

.25

1.25

2.00

Scabious-flowered. (new). Medium size with a formation that suggests the annual scabiosa. Comes about 50% or less true to type and in an attractive mixture of colors.

.25

1.25

2.00

New Haageana or "Mexican Hybrids." Small-flowered, double and semi-double, mixed colors. Fine for border work and with some cutting value.

.25

.80

1.50

Gracillima. Miniature bright crimson flowers about half the size of Lilliputs. 1 ft. and splendid for bedding. Comes quite true to type and color.

.25

.80

1.50

No florist crop outdoors really pays without the protection of water.

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New Zinnia "Fantasy" is a really attractive variation as this cut shows.

BALL CALENDULA

EASILY GROWN in either a ground or raised bed of a cool house, tho you will get longer stems in a deep ground bed. The holidays and January crop is the most profitable one, for which the seed should be sown August 1. Too much temperature, shallow, poor soil, a heavy infestation of aphids will check or interfere with their normal growth, that in turn explains single flowers we sometimes are told about. Your Ball Red Book furnishes further details on Calendula that might interest you.

We originated and released the BALL CALENDULA 14 years ago. We are glad to feel that it has added value to florists' cut flower crops, and we are increasing their value from year to year.

MASTERPIECE. The finest long-stemmed, dark center, deep orange.

LONG ORANGE. Long-stemmed, light center, clear orange.

SENSATION. We find this identical to our long Orange.

BALL'S GOLD. Deep golden yellow, extra long-stemmed.

BALL'S LEMON QUEEN. Clear yellow, dark centered, medium long stem.

SUPREME. Light orange, dark center, medium long stem.

APRICOT. Brown or straw color, dark center, medium long stem.

PRICES: Tr. Pkt. 50c; $\frac{1}{4}$ oz. 75c; 1 oz. \$2.50; 2 oz. \$4.00; 4 oz. \$7.00.

Note: Unit price on weight lots will apply to two or more varieties of above Ball Calendula on same order. For instance, on $\frac{1}{4}$ oz. each of 4 varieties, instead of 75c each, or a total of \$3.00, the ounce rate of \$2.50 will be accepted.

BALL FLORIST MIXTURE

This is made up exclusively of the above separate colors, fully half orange. Suggested for the retailer wanting small amounts of each color. Tr. Pkt. 40c; $\frac{1}{4}$ oz. 60c; 1 oz. \$1.75.

Thru single plant selections made annually in our greenhouses we are not only maintaining but improving on the original high standard of our BALL CALENDULA. The seed of our strains is not sold in bulk to dealers. It can be had only in our printed packets.

NEW BEDDING CALENDULA "ORANGE SHAGGY" (Waller-Franklin Seed Co.) The tip of the petals of this variety is fringed, adding a distinctive appearance. Of compact growth tho of some value for cutting. Tr. Pkt. 60c; 1 oz. \$3.00.



A Christmas Crop of Our Ball Calendula

ORDINARY CALENDULA

The following varieties have not the long-stemmed heavy growth of BALL CALENDULA and should be used only for bedding, for which they are well adapted, except during the middle of hot summers.

Radio. Bright orange with quilled petal effect; excellent for bedding.

Radio "Golden Beam." A clear yellow Radio, not so distinctive as the orange.

Sunshine. A semi-double bright yellow with upright growth; recommended for bedding. We find this and the variety Chrysantho identical.

Orange King. Dark centered orange of compact growth and valuable for bedding only.

Lemon Queen. Light or lemon yellow; for bedding only.

Nankeen. Cream flushed apricot. Dwarf and excellent for bedding.

Trianon. Yellow striped orange, dark center and dwarf.

PRICE: Tr. Pkt. 20c; 1 oz. 75c; 2 oz. \$1.25.

BALL BEDDING MIXTURE: This is an evenly proportioned mixture of all compact growing varieties. An excellent combination of colors for bedding purposes. Tr. Pkt. 15c; 1 oz. 50c; 4 oz. \$1.50; 1 lb. \$5.50.

ANNUAL LARKSPUR

A MOST widely used half-hardy annual for cutting both for the greenhouse and outdoors. After the seed is germinated, its culture is simple, tho, in common with most crops, Larkspur respond to a well enriched deep soil. Moderate temperature and a moist soil are necessary to the germination of the seed. It rarely germinates when hot. Last May we made an outdoor sowing without getting a trace of germination. This morning, September 20, I happened to look over this same sowing and found it coming thru 100%, and it, of course, was '33 crop seed. When the new crop seed comes in, usually late in August, we unfailingly destroy all carried over stock. A January sowing grown in a 50° house gets in around May 1 and is in fine shape thru that month. For outdoors, a fall sowing gets in earliest; but one made as early in the spring as possible is more certain to make a stand. For a succession, sow every two weeks until May 1 — for our latitude.

The Base Branching class, also known as the Imperial or Spiral, improves the original Stock-flowered in being somewhat longer stemmed. The Hyacinth-flowered type produces but one long non-branching flower spike. They do well on a raised or shallow bed where the growth can be hardened some, but on a deep ground bed, especially if grown cold, they produce hollow stems that break easily in handling.

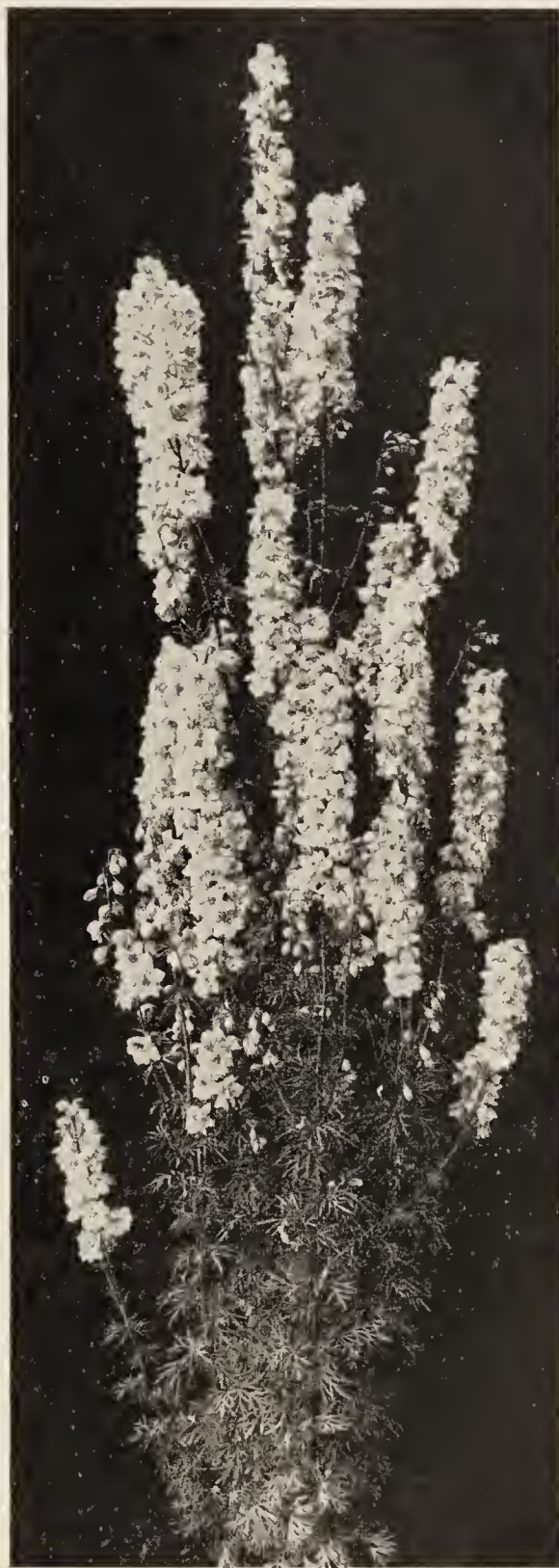
Our greenhouse crops of Larkspur keep us in direct touch with the value of varieties and market colors. If you are not familiar with them, our suggestions for the best colors thru stars (*) should be of interest.

BASE BRANCHING OR IMPERIAL VARIETIES.

	Tr. Pkt.	1 oz.	1 lb.
*Blue Bell. Fairly deep blue; excellent	\$.25	\$1.00	\$12.00
*Blue Spire. Bright deep blue.....	.25	1.00	10.00
Carmine King. Carmine-rose.....	.25	1.00	10.00
Daintiness. Light lavender blue.....	.25	1.00	10.00
Exquisite Pink Improved. Rich soft pink.....	.25	1.00	10.00
*Gloria. Deep rose-pink; excellent..	.25	1.00	10.00
*Los Angeles Improved. Salmon-rose.	.25	1.25	12.00
*Lilac Queen. (new). Rich lilac-lavender.....	.25	1.25	12.00
Miss California. Pink shaded salmon.	.25	1.00	10.00
The Empress. Salmon-pink.....	.25	1.00	10.00
*White Spire. The best white.....	.25	1.00	10.00
Mixed.....	.20	1.00	10.00

STOCK-FLOWERED VARIETIES.

Dark Blue. A rather heavy color....	.20	.50	5.50
*Empress Rose. An excellent pink....	.20	.50	5.50
La France. Salmon-pink.....	.20	.50	5.50
Los Angeles. Rosy salmon-pink....	.20	.75	8.00
Lilac. A good color.....	.20	.50	5.50
*Rosamond. (new). Fine fairly deep rose.....	.25	1.25	15.00
Rosy Scarlet. Not much of this.....	.20	.50	5.50
*Sky Blue. Good light blue.....	.20	.50	5.50
White. Prefer White Spire.....	.20	.50	5.50
Mixed.....	.15	.30	3.50



Stock-flowered type of Larkspur Rosamond, the finest deep rose pink.

GIANT HYACINTH-FLOWERED

	Tr. Pkt.	1 oz.	1 lb.
*Pink, Purple, White, Dark Blue, *Lilac, Mixed.....Each	\$.25	\$.80	\$8.00

DWARF EMPEROR TYPE

Grows about 2 ft. and is used effectively for bedding.

Enchantress. (new). Soft salmon-pink; choice for pots or bedding.....	.35	1.50
Pink Delight. Rich rose-pink, same shade as Exquisite Pink.....	.25	.75
Ageratum Blue. Well named and a pleasing color for any purpose.....	.25	.75

Some of the finest stock we have ever seen was grown in low sash houses.

MARIGOLDS

A VALUABLE class of plants for florists. They enjoy a warm temperature, particularly in the germination of the seed. The Giant African class heads the list for cutting. They belong to the "Fistulosa" type of flower which refers to the close, quilled petal formation. The loose overlapping petal arrangement of Guinea Gold and the new Yellow Supreme belong to the "Imbricated" type.

Extreme heat, if combined with lack of moisture and perhaps poor soil, explains why the Giant Africans sometimes show an unsatisfactory percentage of doubles. Marigolds can be easily flowered in mid-winter. The Giant Africans should be used, and the roots must be confined to shallow beds or flats. Also use at least a carnation house temperature; and if allowed to get quite dry or are checked in any way, buds form prematurely. We make a January sowing, space 3 x 4 in. in flats, and get them in fine flower late April and May. The brightly colored dwarf types are indispensable in box or pan arrangements. For bedding or border work the free flowering dwarf kind are well adapted to even the trying conditions of our middlewest.



Fistulosa type of Giant Marigold make popular cut flowers. They can be flowered in mid-winter.

GIANT AFRICAN — FISTULOSA TYPE.

Tr. Pkt. ¼ oz. 1 oz. 4 oz.

Alldouble Orange. Generally speaking, we have had very satisfactory results from this strain. It will produce few real singles, a good proportion of real doubles, and some semi-doubles. Our stock of this is grown for us by the originator, and under California conditions will produce 80% full Fistulosa flowers.	Tr. Pkt.	¼ oz.	1 oz.	4 oz.
	\$.30	\$.50	\$1.50	\$5.00
Alldouble Lemon. Nearly the same proportion of good flowers will be found in this as in the Orange. In growing for cutting most markets want about 25% of this color.	.30	.50	1.50	5.00
Alldouble Mixed. Mixture of above two.	.25	.40	1.25	4.00
Prince of Orange. (Orange Prince). The good flowers of this older strain will average some larger and a trifle longer stemmed than will Alldouble, but the proportion of full double flowers is not so large. The singles are all single.	.25	.40	1.25	
Lemon Queen. Same as Prince of Orange in lemon color.	.25	.40	1.25	
Golden Emblem. (new). Deep golden yellow, almost mid-way between orange and lemon. We believe this will be found a valuable addition to the Fistulosa class.	.50	1.00		

IMBRICATED VARIETIES.

Yellow Supreme. (Livingston). Rich lemon yellow, not so tall in growth as Guinea Gold but flowers are long-stemmed. We find it easily and well flowered under glass in May. Of cut flower value outdoors.	.25	.40	1.50	
Guinea Gold. Medium size flowers. Bright golden orange, very freely produced and with nice stems. Of value to any retail grower both for cutting and selling plants to home gardeners.	.25	.45	1.50	5.00

TALL SMALL-FLOWERED.

Double Scotch Gold Striped. 2 to 3 ft. Perfectly double, gold and brown striped, medium size.	Tr. Pkt.	1 oz.
	.25	1.25
Josephine. Rich dark brown, small single.	.15	.50

DWARF SMALL-FLOWERED.

French Double Striped. (Extra select). Brown and gold striped, 10-12 in. and particularly choice for borders or combination boxes.	.25	.75
Robert Beist. Double, dark reddish brown, medium large, 12-14 in., choice.	.20	.50
Double French Monarch Strain. An attractive mixture of colors, fairly compact growth.	.25	1.00
Legion of Honor. Single red and yellow, 8-10 in. Attractive color and valuable for combination boxes or bedding.	.15	.50
Golden Ball. Double golden yellow, very compact.	.15	.50
Lilliput Mixed. Double compact, about 12 in.	.15	.60
Signata Pumila. Small single orange-yellow, 10 in., and of choice compact habit.	.15	.60

BALL PANSIES

WE PERSONALLY and regularly visit the expert pansy specialists of Europe and America in the interest of the choicest strains for florists. Of equal value to us as distributors of pansy seed are the extensive flowering trials we annually carry on at our greenhouses. Among them are strains from the World's best producers. The first hand information these trials furnish us is, of course, reflected in the varieties and strains we offer. We can do nothing further to insure the quality and value of our stock.

Excellent pansy plants for spring sales are produced from a January sowing. The seedlings can be later planted into cold frames, or they can be grown on in a cold greenhouse where they produce cleaner and more attractive flowers than in an outdoor frame.

Ball Giant Mixture. This is a fairly long-stemmed mixture of fancy and original colors. The general effect is a bright live one; contains none of the ordinary self colors such as blue, white or yellow. We recommend this as the best all-purpose strain on our list.

Tr. Pkt. 50c; ¼ oz. \$1.75; ½ oz. \$3.25; 1 oz. \$6.00; 1 lb. \$65.00.

Ball Giant Mixture — Dwarf. This strain will be found distinctly compact in growth, fairly large flowering with a rich and original color range.

Tr. Pkt. 75c; ¼ oz. \$3.00; 1 oz. \$10.00.

	Tr. Pkt.	¼ oz.	½ oz.	1 oz.
Maple Leaf Giant Mixture. The largest flowering strain of pansies; very large and long-stemmed, with strong heavy growth, that enables this strain to hold up well into the summer.....	.50	\$2.50	\$4.50	\$8.00
Super Maple Leaf Giants. A selection for extra strong growth and large flowers. The last word in Giant pansies.....	1.00	3.50	6.50	12.00
Engelmann's Special (new). This is a particularly choice strain for bedding because of its dwarf habit and rich brownish-red shades. Nearly 100% of the flowers are 5-blotched.....	.75	2.50	4.75	9.00
Engelmann's Giants. An extra large flowering strain and fairly compact in growth. The color range of this strain will be found more varied than the Maple Leaf Giants and nearly, if not quite, as large flowered.....	.50	2.50	4.50	8.50
Improved Swiss Giants. A choice strain with plenty of original and bright colors. Excellent for size, stem, and free flowering habit.....	.50	1.75	3.25	6.00
Super Swiss Giants. A selection for richer coloring and size.....	.75	2.75	5.25	10.00
Roggli Giant Mixture. A choice strain of large fancy original coloring.....	.50	1.50	2.75	5.00
Steele's Masterpiece. A good American produced all-purpose strain. Our stock comes direct from Mr. Steele.....	.75	2.50	4.75	9.00

NAMED COLORS SELECTED FROM SWISS GIANTS

Alpenglow. Improved Cardinal, rich garnet red.....	.50	1.75	3.25	6.00
Rhinegold. Yellow with deep brown blotches.....	.50	2.00	4.00	7.00
Lake of Thun. Rich deep blue with dark blue blotches.....	.50	1.75	3.25	6.00

NAMED BEDDING VARIETIES

Golden Queen. Nearly 100% clear yellow.....	.25	.50		1.60
Lord Beaconsfield. The standard blue for bedding.....	.25	.45		1.50
Snow Queen. Clear white.....	.25	.40		1.50

VIOLA CORNUTA

☐ **Violas**, or miniature pansies, are as easily grown as pansies and flower earlier. Because of their very free-flowering habit Violas are particularly choice for bedding purposes. Nearly all varieties will come fully 95% true from seed.

	Tr. Pkt.	¼ oz.	1 oz.
Apricot. Light orange-yellow. Extra large flowered, very attractive.... ¼ oz. 90c	.50	\$1.50	\$5.50
Black Prince. Mid-night blue, fairly true.....	.25	.50	1.75
G. Wermig. Rich violet-blue, between Jersey Gem and Mauve Queen, ¼ oz. \$1.00	.50	1.75	5.50
Puck. Purple standard yellow wings with dark pencillings, dwarf compact growth. Very fine..... ¼ oz. 50c	.35		2.00
Jersey Gem. Deep cattleya. Varies some..... ¼ oz. \$1.25	.75	3.75	
Mauve Queen. Light cattleya. Very true.....	.35	.50	1.75
Papilio. Blue and white. Extra dwarf and free-flowering.....	.35	.50	1.50
White Perfection. Rather small flowered. Yellow center.....	.35	.50	1.75
W. H. Woodgate. Bright violet, varies considerably in color and habit, ¼ oz. \$1.50	.50		
Lutea Splendens. Golden yellow. Good.....	.25	.50	1.50
Large-flowering Mixture.....	.35	.50	1.75
Small-flowering Mixture.....	.25		1.25

MISCELLANEOUS ANNUALS

		Tr. Pkt.	1 oz.
☒ Indicates suitable Rock Garden subjects.			
ABUTILON. Mixed.	Flowering Maple. We have an extra large flowering strain that blooms six months from seed.....	1/8 oz. \$1.50	\$.50
ACHIMENES. Mixed.	Valuable for pot plants and hanging baskets.....		1.00
ACROCLINIUM. Roseum.			
	Semi Double Rose. Light rose-pink Everlasting. Sow in January for heavy spring crop of long-stemmed daisy-like flowers. Excellent either fresh or dried.....	.15	\$.30
☒ AGERATUM. Mexicanum.	All strains vary some in height.		
	DWARF Varieties — 4 to 8 inches. Best for bedding and edging work.		
	Blue Cap. (new). Deep blue and large-flowered.....	1/4 oz. 80c	.50 2.75
	Blue Ball. Good deep lilac.....	.15	.75
	Little Blue Star. Deep blue. Small-flowered but very free-flowering.....	1/4 oz. 60c	.25 2.00
	Purple Perfection. A deep violet blue and large-flowered. Very good.....	.15	.75
	SEMI-DWARF Varieties — 8 to 16 inches.		
	Blue Perfection. Good deep color and large-flowered.....	.15	.60
	Imperial Dwarf White. Larger flowered than Little Dorrit White.....	.15	.60
	Little Dorrit White. Small-flowered. Not a clear white.....	.15	.80
	Little Dorrit Blue. Azure-blue. Small-flowered.....	.15	.75
	TALL Variety. Up to 30 inches.		
	Blue. Varies some in color and has some value for cutting.....	.15	.40
ALOE Variegata.	Tiger Aloe. Attractively variegated leaves. A very satisfactory and fast-growing succulent, 100 seeds \$1.25; 1000 seeds \$10.00.		
ALYSSUM.	Tr. Pkt. 1 oz.		
☒ PROCUMBENS.			
	Carpet of Snow. 4 in. We have a special and excellent strain of this extra dwarf type, 4 oz. \$2.50	.15	.75
☒ COMPACTUM.			
	Little Gem. 6 in. Very good	.15	.60
	Lilac Queen. 6 in. Medium deep lilac	.20	.75
☒ MARITIMUM.			
	Sweet Alyssum. Medium tall — 10"... 4 oz. 60c	.15	.20
AMARANTHUS.			
	Molten Fire. 3 ft. Dark red foliage. Highly ornamental summer plant.....	1/4 oz. 50c	\$.25
ANCHUSA Capensis.	Blue Bird. Deep indigo blue, compact growth, 2 ft. Very attractive. Special mention in "All American Trials, '34.".....	.15	\$.60
ARCTOTIS			
	Breviscapa Aurantiaca. Daisy-like flower, orange with dark center. 6 in. Must be sown early.....	1/8 oz. 60c	.40
	Grandis. Pure white with reverse of petals lilac. 30 in.....	.20	.50
ASPARAGUS.	We constantly check the germination of our seed under actual greenhouse conditions and we do not send out unless it shows up at least fair.		
	Plumosus. 100 seeds 30c; 250 seeds 50c; 1000 seeds \$1.50; 5000 seeds \$6.00; 1 lb. \$10.00		
	Sprengeri. 100 seeds 25c; 250 seeds 40c; 1000 seeds \$1.00; 5000 seeds \$4.50; 1 lb. \$ 8.00		
BALSAM.	Double Camellia-flowered. Good mixture of bright colors. May be sown outdoors in May for August flowering. 30 in.....	.20	.50



The new bedding Begonia Elegant
(See next page for description)

Tr. Pkt. 1 oz.

BEGONIA "DARLING." (new). According to our trial of it, this is one of the choicest semperflorens begonias that has come from Germany for a long time. Of compact growth, 8-10 in., with large light rose colored flowers about the shade of Glory of Erfurt. At this time, Christmas, we have it covered with flowers..... Tr. Pkt. \$1.25.

MISCELLANEOUS ANNUALS (Continued)

BEGONIA. — Continued.

Tr. Pkt. 1 oz.

FIBROUS ROOTED bedding or pot plant varieties.

Elegant. (new). White attractively edged crimson, clear green foliage that contrasts well with the flowers.....			\$1.00
Albert Martin. Bright carmine, extra large flowered.....	$\frac{1}{32}$ oz.	\$1.00	.50
Carmen. Bright pink flowers with richly contrasting bronze foliage.....	$\frac{1}{64}$ oz.	\$1.75	1.00
Christmas Cheer. Extra large-flowered crimson-scarlet.....	$\frac{1}{64}$ oz.	\$1.50	1.00
Glory of Erfurt. Large bright carmine.....	$\frac{1}{32}$ oz.	\$2.25	.50
Gustav Knaake. Glowing salmon-pink, resembles Melior.....	$\frac{1}{32}$ oz.	\$1.75	1.00
Indian Maid. Has the same deep bronze foliage of Carmen with bright deep scarlet flowers producing a highly attractive combination.....			1.25
Lightning. Extra large flowers measuring 2" across and of deep carmine-scarlet shade — an extra deep bright shade in Begonias.....	$\frac{1}{2}$ Tr. Pkt	60c	1.00
Luminosa. Deep scarlet with reddish brown foliage.....	$\frac{1}{32}$ oz.	\$1.75	1.00
Mignon. Brilliant salmon-scarlet, semi-dwarf.....	$\frac{1}{32}$ oz.	\$1.75	.50
Prima Donna. Limpid rose shading to carmine. Very excellent variety.....	$\frac{1}{32}$ oz.	\$3.00	1.00
Radio. Extra large carmine-scarlet, green foliage. Excellent.....	$\frac{1}{32}$ oz.	\$3.00	1.00
Scarlet Queen. Large flowered glowing scarlet, dark bronze-green foliage.....	$\frac{1}{32}$ oz.	\$1.50	.50
White Pearl. Best white, light green foliage.....	$\frac{1}{32}$ oz.	\$1.75	.50
Vernon. Deep blood-red and dark leaved.....	$\frac{1}{16}$ oz.	\$.50	.25
Semperflorens Mixture.	$\frac{1}{8}$ oz.	\$.75	.25

TUBEROUS ROOTED.

Lloydii. Easily grown from seed and enjoys a fairly warm temperature. Ideal for hanging baskets because of its pendulous habit. Nice 4 in. pot plants can be flowered late June from a January sowing. **Red Shades, or Mixed.** Each Tr. Pkt. **\$1.00**; $\frac{1}{64}$ oz. **\$4.00**.
Narcissus-flowered Mixed. Comes 80% true to a large semi-double Narcissus-like flower, and contains yellows, pinks and salmon-reds..... Tr. Pkt. **\$1.00**.

BRACHYCOME Iberidifolia. Swan River Daisy. Tr. Pkt. 1 oz.		
Azure Fairy. Good azure blue, compact growth and free-flowering.....	\$.25	\$.75
Mixed.....	.15	.65

BROWALLIA.

Speciosa Major. Standard pot plant variety, 10 to 12 in.....	$\frac{1}{32}$ oz.	\$1.00	.40
Viscosa Compacta Sapphire. Very excellent for pot plant work. Compact grower. Dark blue flowers with white eye. 6-8 in. $\frac{1}{16}$ oz.	\$1.00		.50

CACALIA. Coccinea. Tassel flower. Scarlet.....	.15	.50
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CALCEOLARIA.

HYBRIDA GRANDIFLORA or large-flowered type.

Albert Kent. Flowers golden yellow with red blotch. Very attractive.....	$\frac{1}{64}$ oz.	\$2.50	1.00
Cloth of Gold. Varies from lemon to deep golden yellow. Dwarf growth.....	$\frac{1}{64}$ oz.	\$3.25	1.00
Tigrina. Attractive tigered effect — golden yellow spotted red. Dwarf growth.....	$\frac{1}{64}$ oz.	\$2.50	1.00
Albert Kent Hybrids. Mixture of nearly all Calceolaria colors.....	$\frac{1}{64}$ oz.	\$3.25	1.00
Mixed. A mixture of medium tall strain.....	$\frac{1}{64}$ oz.	\$2.25	1.00
Kelway's Perfect Model. A mixture that flowers three weeks earlier than others, rather tall.....	$\frac{1}{64}$ oz.	\$2.25	1.00

MULTIFLORA NANA or Dwarf small-flowered type. 10-12 in.

Tr. Pkt. 1 oz.

Golden Tiger. Golden yellow spotted red. Excellent compact strain.....		\$1.00
Indian Prince. A new separate color selection in the multiflora nana type. Rich dark scarlet with orange suffusion. We have exclusive American control of this fine German selection.		1.25
Mixed. An excellent mixture of bright golden yellow to deep bright scarlet. Extra dwarf compact growth.....	$\frac{1}{2}$ Tr. Pkt.	50c; $\frac{1}{64}$ oz. \$4.50

RUGOSA-MAJOR.

Perennial Hybrids. Very small-flowered, in shades of yellow and deep red. Has some value for cut flower work besides making excellent specimen pot plants.....		1.00
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CALLIOPSIS. Drummondii. Golden Wave. Golden yellow with deep red ring.....	.15	.25
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Selection of suitable varieties is highly important.



Our new Calceolaria Indian Prince is a rich dark scarlet and of ideal compact growth.

MISCELLANEOUS ANNUALS (Continued)

CAMPANULA.

Annual Canterbury Bell Mixed. 2 ft. Flowers six months from seed. Received 1933 Gold Medal in "All American Trials"..... 1/4 oz. 50c **\$1.75**

Fragilis. Excellent for hanging baskets and pot plants. Light azure blue. Very profuse bloomer. .50

CANDYTUFT. (Iberis).

Tr. Pkt. 1 oz.

UMBELLATA. We offer the following in this popular spring cut flower:

Carmine, Flesh Pink, Lavender, White, Crimson, Rose Cardinal, Lilac. Each, 4 oz. \$1.25 \$1.15 \$.40

Mixed..... 4 oz. .75 .15 .25

GIANT HYACINTH-FLOWERED.

White. Our stock of this is grown from specially selected stock seed developed in our own greenhouses. If sown early in January and grown cool, makes fine crop for Mother's Day and Memorial Day..... 4 oz. **\$2.25 .25 .75**

Miniature Gem. An extremely dwarf selection from the above. Produces 4 to 6 spikes about 4 in. high. Very attractive as a rock garden or pot plant. 1/4 oz. **50c .25 1.50**

CANNA. Ours is a special strain that flowers in July and August from an early sowing. Seeds should be chipped or soaked before sowing..... .25 .50

CARNATION. Chaubaud.

DOUBLE ENFANT DE NICE. The finest strain of annual carnations. Flowers five months from seed and comes 75% true to color.

Red, Rose, Salmon, White, Each 1/8 oz. \$1.00; 1/4 oz. \$1.75 .50

Mixed..... 1/4 oz. \$1.25 .35

GIANT STRAIN.

Cardinal Red	Deep Rose	Flesh Pink	Rose Pink	White	Each.... 1/4 oz. 60c	Tr. Pkt. \$1.25	1 oz. \$2.00
Mixed.....					1/4 oz. 50c	.25	1.75

CELOSIA.

PYRAMIDALIS. Dwarf compact habit. Excellent for pots or low beds.

Fiery Feather. (new). Bright fiery scarlet. 12 in. 1/16 oz. **\$1.00 .50**

Golden Feather. (new). Rich golden yellow. 15 in. 1/16 oz. **\$1.00 .50**

PLUMOSA. Tall spire and branches profusely from the ground. Brilliant colors and graceful habit.

Pride of Castle Gould. 2 to 3 ft. Colors from deep crimson to light yellow. Very brilliant mixture. Sow in May for late summer flowers. 1/4 oz. **75c .35 2.75**

Fiery Red. 3 to 4 ft. Deep crimson foliage and flowers. Very good. 1/4 oz. **40c .25 1.20**

CRISTATA. Cockscomb. Dwarf, compact growth — 1 ft. Excellent for pots or beds.

Golden Yellow. Light foliage. 1/4 oz. **60c .35 1.75**

Empress. Deep scarlet foliage and flowers. 1/4 oz. **60c .35 1.75**

CENTAUREA.

CYANUS DOUBLE. Bachelor Button or Cornflower. Very free flowering and good for cutting either outdoors or in the greenhouse.

Blue (the best market color),	Carmine	Rose	White	Each 4 oz. \$1.40	.15	.40
Mixed.....				4 oz. \$.80	.15	.25

IMPERIALIS. Sweet Sultan. Double thistle type flower.

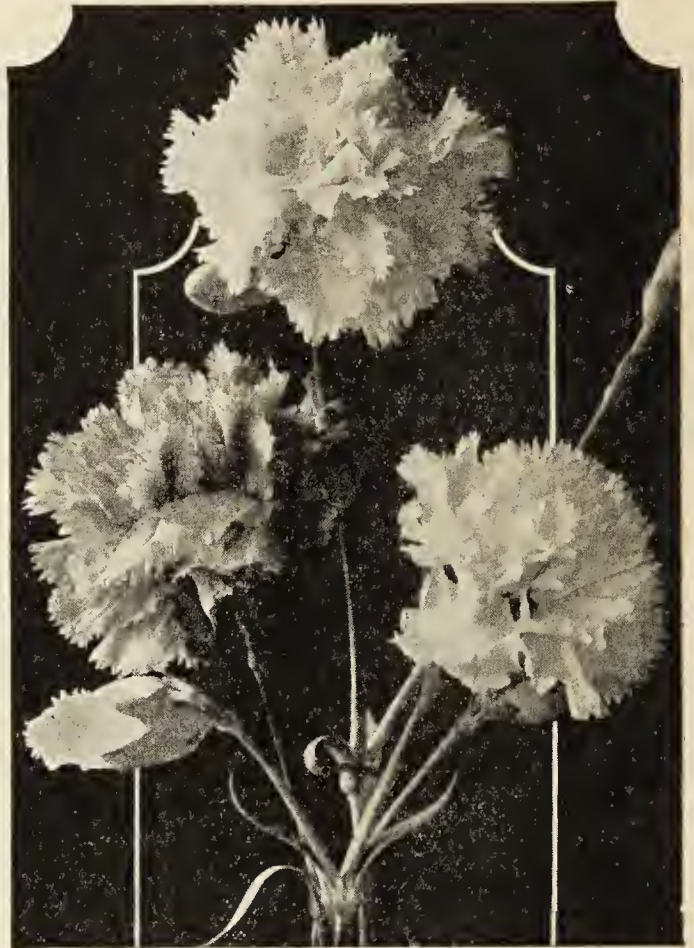
Amaranth Red	Brilliant Rose	Deep Lavender	Delicate Lilac	Rose	White	Each .20	.50
Mixed.....						.15	.40

AMERICANA. Large thistle type flowers. **Lilac, White..... Each .15 .50**

CANDIDISSIMA and GYMNOCARPA. See Dusty Miller.

SUAVEOLENS.

Yellow Sweet Sultan. Very good bright yellow thistle-like flowers. Excellent for forcing indoors from January sowing. **.15 .40**



The Enfant de Nice strain of Carnations is the finest available and easily grown from seed.

MISCELLANEOUS ANNUALS (Continued)



Take your choice. They represent the 3 best strains. From left to right, multiflora nana, Cremer's and Berlin Market. Cremer's is most popular. Our strain of this is carefully selected for brighter colors and uniform habit.

CHORIZANTHE. Palmeri. Turkish Rugging. (new). A California annual that flowers 4 months from seed. Makes heavy mat of deep pink Statice-like flowers while foliage turns a deep autumn bronze late in the season. Should make very excellent rock garden material.	Tr. Pkt.	1 oz.
SEGETUM. Attractive single daisy-like flower. Makes nice spring flowers from Jan.-Feb. sowing.		
Eldorado. Bright yellow with dark brown disc. Very fine.	1/4 oz.	25c
Eastern Star. Primrose, brown disc. Evening Star. Golden yellow.	Each	.15
Gloria Alba. White with pale disc. Morning Star. Pale primrose.	Each	.15
Mixture of above		.15
CARINATUM.		
Burridgeanum. White with scarlet zone		.15
Northern Star. White with dark center and yellow band. Very attractive.		.15
CINERARIA Hybrida.		
GRANDIFLORA. Large flowered and fairly dwarf growth. Good market type.		
Azurea. Good azure blue, varies some light to dark.	1/4 oz.	\$1.25
Kermesina. Crimson. Very good color and strain.	1/4 oz.	\$1.25
Gigantea. A light eyed strain of the above. Comes fairly true.	1/4 oz.	\$2.00
Matador. Coppery bronze. Fairly attractive.	1/4 oz.	\$1.50
Mixture. A very excellent all-around market strain.	1/2 oz.	\$2.00
BERLIN MARKET. Medium large flowered and dwarf growth. A very excellent strain.		
Dark Blue. Deep marine blue with well-formed heads.	1/4 oz.	\$1.80
Dark Crimson. A good bright deep crimson. Good market color.	1/4 oz.	\$1.80
Mixture. Weissensee strain. A white-eyed strain with very good growth and flower head.		
Mixture of the best commercial colors. A very excellent market strain.	1/2 oz.	\$2.75
MULTIFLORA NANA. Very dwarf compact grower, the plants covering themselves with small flowers. Valuable market type.		
Dark Blue. Dark Crimson.	Each 1/4 oz.	\$1.75
Mixture	1/2 oz.	\$2.00
STELLATA or Polyantha type. Small, quill-petalled flowers borne on long stems suitable for cutting. Varies some in height.		
Mixture. Standard colors with a few light eyed ones.	1/6 oz.	75c
Feltham Beauty. Not so tall as above and with flat petals.	1/4 oz.	\$1.00
MISCELLANEOUS Varieties.		
Cremer's Prize. A very widely accepted excellent market strain. Distinguished by small foliage medium to small flowers produced very profusely in large heads and medium tall habit.	1/6 oz.	\$7.50
Eriksson's Private Stock. A strain developed especially for market use by one of the large Cineraria growers for the Chicago market.	1/2 oz.	\$4.00
Giant Exhibition Mixed. Extra large flowered, striking colors and strong tall growth.	1/4 oz.	\$2.00
Plenissima. Fully double Chrysanthemum-like flowers, 2 in. diameter. Medium tall growth.		.75
MARITIMA Diamond. See Dusty Miller.		

Varieties are important; state clearly which are wanted.



MISCELLANEOUS ANNUALS (Continued)

CLARKIA Elegans double. We have found this a profitable spring crop from January sowing. Must be grown in shallow soil and does well disbudded one to two or three growths to a plant; space plants 3-4 in. Tr. Pkt. 1 oz.

Albatross. Good pure white.

Apple Blossom. Delicate pink.

Brilliant. Bright salmon.

Chieftain. Bright mauve.

Copper Scarlet. Very bright color.

Enchantress. Salmon pink, long stemmed and large flowered. Excellent for cutting.

Glorious. (new). Brilliant crimson and dark stem and foliage. $\frac{1}{4}$ oz. **\$1.00** **.50** **3.00**

Mixed. **.15** **.50**

Firebrand. Deep orange-scarlet.

Orange King. Bright salmon-orange.

Salmon Queen. Salmon-pink. Rather light.

Vesuvius. Fiery scarlet shaded rose. Very good color.

COBAEA Scandens. Very excellent annual climber.

Purple. **.15** **.50**

White. **.20** **.60**

COLEUS Hybrida. Coleus from seed necessarily varies but produces beautiful color variations from which new and exhibition stock may be propagated.

Giant Exhibition Mixture. The finest strain we are able to find. $\frac{1}{4}$ oz. **\$1.75** **1.00**

Rainbow Mixture. A strain that met with considerable favor last year. $\frac{1}{16}$ oz. **\$1.00** **.50**

Hybrida Mixture. $\frac{1}{8}$ oz. **\$.75** **.40**

COSMOS.

EXTRA EARLY EXPRESS. Flowers in 45 days from an outdoor sowing.

Pink **White** **Mixture** **Each** $\frac{1}{4}$ oz. **40c** **.25** **1.25**

TRUE EARLY SINGLE MAMMOTH FLOWERING.

Crimson **Pink** **White** **Mixture** **Each** **.15** **.40**

EXTRA EARLY DOUBLE ANEMONE-FLOWERED OR CRESTED.

Carnelia, **Crimson** **Peach Blossom** **Whirlwind,** **White** **Mixture** **Each** $\frac{1}{4}$ oz. **35c** **.25** **1.00**

GIANT-FLOWERED LADY LENOX. Late single. 120 days from seed to flowering.

White **Pink** **Each** **.15** **.25**

HYBRIDA KLONDYKE.

Orange. Late single. 135 days from seed to flowering. **.15** **.60**

Orange Flare. (new — Bodger). An early flowering vivid orange cosmos. Flowers in 4 months from sowing. In "All American Trials" unanimously awarded gold medal. Tr. Pkt. **35c**, $\frac{1}{4}$ oz. **75c**, 1 oz. **\$2.25**.

CYCLAMEN. We handle exclusively Binnewies' Cyclamen strains, all of our seed coming direct from the originator. We consider these strains unsurpassed. To assure against errors please order by number and name.

No.	Per 100	Per 1000	No.	Per 100	Per 1000
1 Dark Blood Red.....	\$1.15	\$10.00	10 Glory of Wandsbek or Perle of Zehlendorf. Dark salmon.....	\$1.50	\$12.00
2 Bright Red.....	1.20	10.00	11 Rose of Zehlendorf. Light salmon.....	1.50	12.00
3 Pure Rose.....	1.15	10.00	12 Orange Beauty. Orange-vermilion.....	1.80	16.00
4 Soft Rose. Carmine eye or Improved Rose of Marienthal.....	1.15	10.00	15 Saffron Red.....	1.40	11.00
5 White with carmine eye.....	1.15	10.00	16 Saffron Red, silver edged.....	1.40	11.00
6 Pure White.....	1.15	10.00	18 Mozart. Deep Pink.....	1.85	17.00
7 Bonfire. Brilliant salmon.....	1.70	15.00	20 New Ruffled in colors. Especially attractive class, with fringed petals.....	1.85	17.00
8 Salmon Scarlet. America Improved.....	2.00	16.00	21 Pink Pearl. Salmon-pink.....	1.80	16.00
9 New Salmon Rose Improved.....	1.50	12.00	Mixed of the above.....	1.10	9.00

VOGT'S DOUBLE STRAIN. We handle the originator's seed exclusively of this new Cyclamen. Fully 80% of the plants produce 10 to 12 petalled flowers. Culture same as ordinary strains.

	Per 100	Per 250	Per 500	Per 1000
Cerise Brilliant. (new) Rich cerise red.....	\$3.00	\$7.25	\$13.00	\$25.00
Prosperity. Flaming rich rose.....	3.00	7.25	13.00	25.00
Admiration. Salmon-rose with shaded eye.....	3.00	7.25	13.00	25.00
Rosea. Soft rose shading with light at tip of petals.....	3.00	7.25	13.00	25.00
Mixture of above four colors.....	3.00	7.25	13.00	25.00

Note: The above prices are net 60 days.

CYNOGLOSSUM Amabile. Chinese Forget-me-not. 24 in.

Pink. Tr. Pkt. **.30** **1 oz. \$8.00**

Blue. **.15** **.30**

DAHLIA. The following strains are all easily grown from seed and will flower the first season if sown early. Valuable for either cutting or garden decoration and as a source of specimen plants for tuber propagation.

Ⓡ **Unwin's Dwarf Hybrids.** 18 in. Semi-double, wide range of colors. $\frac{1}{4}$ oz. **75c** **.25** **2.50**

Decorative and Cactus Mixed. 30 in. Varies in flower types. $\frac{1}{4}$ oz. **\$2.25** **.75**

Lilliput or Pompon Mixture. Has good proportion of perfectly formed double Pompon-like flower. Very good. 24 in. $\frac{1}{4}$ oz. **\$1.50** **.60**

COLTNESS STRAIN. Single. These strains run very true to color and height. 18 in.

Scarlet. **Yellow.** **Each** $\frac{1}{4}$ oz. **90c** **.50** **3.00**

Mixture. $\frac{1}{4}$ oz. **60c** **.35** **2.00**

MISCELLANEOUS ANNUALS (Continued)

DIANTHUS

	Tr. Pkt.	1 oz.
☐ SWEET WILLIAM. Annual Sweet William. (D. Barbato-sinensis). 12 in. Single Mixed.....	\$.15	\$.60
Sweet Wivelsfield. 12 in. Improved form of Annual Sweet William. Extra large flowered brilliant array of colors. Fine for cutting and garden use.....	.25	.75
HEDDEWIGII. Japanese Pinks. 10 in. and free flowering. Fine for rock gardens..		
Fireball. Double. Dark scarlet.....	.20	.80
Pink Beauty. Blush pink.....	.20	.80
Snowdrift. Double. Extra large flowered pure white.....	.20	.80
Mourning Cloak. Double. Blackish maroon, margined white.....	.15	.50
Diadem Mixture......	.20	.75
Laciniatus Splendens. (new). Single. Extra large 2 in.—brilliant crimson, large contrasting white eye. Special mention in "All American Trials, 1934"..... ¼ oz. 50c	.25	1.50
For other Dianthus see perennial pages.		
DIDISCUS Coeruleus. Blue Lace Flower. Valuable for spring greenhouse cutting.....	.20	.80
DIMORPHOTHECA Aurantiaca. Hybrids Mixed. 12 in. Some value for cutting.....	.20	.75
DRACAENA. Australis. Broad leaved.....	.20	.75
Indivisa. Narrow-leaved. The most popular.....	.15	.40

DUSTY MILLER.

Cineraria Maritima Diamond. Our trials of this beside the two following in our grounds the past season convinced us of the marked superiority of this variety. Makes a very even row 12 in. high. Fast grower and very attractive light silvery-gray foliage. Tr. Pkt. 20c; 1 Oz. 50c.

	Tr. Pkt.	1 oz.
Centaurea Candidissima. 6 in. Of slow growth..... ¼ oz. 50c	\$.25	\$ 1.40
Centaurea Gymnocarpa. 24 in. Of tall heavy growth.....	.20	.50
EUPHORBIA. Heterophylla. Annual Poinsettia or Mexican Fire plant. Makes good solid hedge, 36 in. with small Poinsettia-like flowers at tip of branches.....	.15	.65
Variegata. Snow on the Mountain.....	.15	.40
EXACUM Affine. Very choice moderate temperature summer flowering pot plant.		
Light Blue. Light lavender-blue flower, richly fragrant. Use 2-3 seedlings in a pot. 1000 seeds	\$ 1.00	
Atrocoeruleum. (new) A dark lavender variety, clearly more attractive.....	1.00	
GAILLARDIA. Lorenziana. Double. Annual mixture.....	.15	.40
For other Gaillardia see perennial pages.		
GERBERA. Jamesonii Hybrids. This valuable greenhouse plant is really a hardy perennial if carefully protected over winter. We supply only freshly harvested seed of a very excellent strain. Separate colors will not come at all true from seed. 100 seeds 50c; 1000 seeds \$4.00.		
GILIA. Capitata. Blue Thimble flower. 24 in. Attractively fine feathered foliage. Ball shaped flowers have some cutting value.....	.15	.25
GLOXINIA. Summer pot plants quickly grown from seed.		
Defiance. Rich glowing scarlet. Emperor William. Dark violet bordered white..... Each	1.00	
Benary's Giant Mixture.	1.00	
GODETIA. Must be grown in shallow soil much the same as Clarkia. The following are all good commercial colors in the large flowered class.		
The Bride. Combination of white and crimson. Attractive.....	.20	.60
Sweetheart. Dwarf—24 in. Double Poppy-like flower. Clear pink. Nice color.....	.25	1.00
Sybil Sherwood. (new). Bright salmon-pink, edged white. Medium dwarf.... ¼ oz. 35c	.20	1.25
Thunderbolt. Deep crimson. Medium dwarf..... ¼ oz. 50c	.25	1.75
Duchess of Albany. Pure satiny white. Large flowered and tall.....	.20	.50
Tall Double Mixture......	.15	.50
GOMPHRENA. Everlasting. Globe Amaranth. 30 in. Makes nice material for garden decoration and cutting. The varieties Aurea Superba and Rubra are particularly attractive; also Nana Compacta Rubra is choice for edging.		
Aurea Superba. Brilliant orange. Not very robust growth, needs supporting.....	.15	.35
GLOBOSA		
Rose. Light rose pink. White. Grayish white.		
Rubra. Bluish purple. Very bright deep color. Mixture of above..... Each	.15	.25
Nana Compacta Rubra. Dwarf strain of Rubra. 8 in. Choice for edging.....	.15	.35
GOURDS. Ornamental.		
Small kinds mixed. Each	.15	
GREVILLEA ROBUSTA. Australia Silk Oak. Seeds should be sown in early spring with plenty of bottom heat and in a well drained, loose soil. Grown in a 60° house, 5" pot plants available by fall.....	.25	.75
GYPHOPHILA Elegans. Baby's Breath. We are constantly running trials of all available European and American strains of annual Gypsophila and are certain that none better are to be had than we are offering.		
Covent Garden Market. Extra large flowered, full petalled—flowers having 6 to 8 petals instead of the usual 4 to 5..... 4 oz. 50c; 1 lb. \$1.60; 5 lbs. \$6.50		.20
London Market. Slightly taller than Covent Garden Market and later..... 4 oz. 50c; 1 lb. \$1.50; 5 lbs. \$6.50		.20
Paris Market. Standard medium size flowered strain..... 4 oz. 40c; 1 lb. \$1.00; 5 lbs. \$4.50		.15
Carminea. Same habit as others but with bright carmine-pink flowers. Rather small flowered	.15	.25

Clearly label everything planted with date and seedsman's name.



MISCELLANEOUS ANNUALS (Continued)

	Tr. Pkt.	1 oz.
HELIANTHUS. Sunflower.		
Dwarf Chrysanthemum-flowered. Good proportion of fully double flowers	\$1.10	\$1.20
Russian. Large single.....1 lb. 50c		.10
HELICHRYSUM Monstrosum. Double Strawflower.		
Canary Yellow Golden Globe Salmon Rose Carmine		
Crimson Scarlet Fireball Rose Queen White Each	.15	.60
Mixed.....	.15	.50
HUNNEMANIA. Fumariaefolia. Bush Eschscholtzia. ....	.15	.50
IMPATIENS. Useful as pot plants or for home garden use. Will stand partial shade.		
Holstii. Liegnitzia. Deep vermilion-red.....1000 seeds 50c, $\frac{1}{32}$ oz. \$1.25		
Sultanii. Bright rose..... $\frac{1}{32}$ oz. \$1.00	.35	
Holstii. Hybrids. Finest mixture.....1000 seeds 50c, $\frac{1}{32}$ oz. \$1.00		
IPOMOEA.		
Rose Marie. Double deep rose. Very free flowering and early.....	.25	.60
Heavenly Blue. Early flowering. Sky blue shading white at throat.....	.25	1.00
Quamoclit. Cardinal Climber.....	.15	.75
NOCTIFLORA. Moonflower. Large White Black-seeded. Large White White-seeded...Each	.15	.40

ISOLOMA. Hirsutum Multiflorum Hybridum. Choice tuberous rooted pot plant, spotted flowers, mixture of colors, grows 6-8 in. January sowing flowers thru the summer.....Tr. Pkt. **\$1.00**

KALANCHOE. Globulifera Coccinea. Popular spring flowering pot plant and easily grown from seed. 1000 seeds **\$1.00**

	Tr. Pkt.	1 oz.
KOCHIA. Trichophylla Childsii. Summer Cypress	\$1.10	\$1.20
LANTANA. Dwarf Hybrids Mixed. Seed must be sown with bottom heat and early .....	.15	.50
LEPTOSYNE. Stillmanii. 18 in. Golden yellow. Good for cutting.....	.15	.75
LINARIA. Maroccana. Fairy Bouquet. Miniature Snapdragon. 10 in. Flowers early and freely. Very bright mixture of colors..... $\frac{1}{4}$ oz. \$1.25	.25	
LOBELIA. Very excellent bedding and border subjects.		
COMPACTA. Dwarf compact plants.		
Blue Gown. Extra dwarf and free flowering, 5 in. Deep sky blue..... $\frac{1}{8}$ oz. 75c	.35	
Cambridge Blue. Habit of Blue Gown with medium sky blue color and slight white eye. Excellent..... $\frac{1}{4}$ oz. \$1.00	.35	
Crystal Palace. The standard dwarf deep blue. Dark foliage..... $\frac{1}{4}$ oz. 50c	.25	1.75
Emperor William. Dwarf light blue, light foliage..... $\frac{1}{4}$ oz. 40c	.25	1.50
Mrs. Cliban Improved. Deep blue with attractive white eye..... $\frac{1}{4}$ oz. \$1.00	.25	
PENDULA. Trailing habit.		
Hamburgia. Sky blue with white eye..... $\frac{1}{4}$ oz. 50c	.25	1.50
Sapphire. Deep blue with white eye. Very good..... $\frac{1}{4}$ oz. 60c	.25	2.00
Angelina. Pure white, large flowered..... $\frac{1}{4}$ oz. 50c	.25	1.80
For Lobelia Cardinalis see perennial list.		
LUPINUS. A standard greenhouse forcing crop to follow mums or early peas.		
Sulphureus Superbus. Golden yellow. 28 in.....	.15	.50
Luteus Romulus. Dwarf yellow.....	.15	.50
HARTWEGII.		
Dark Blue. The best selling standard color.		
Sky Blue. Very good market color. White.		
Roseous. Of limited commercial value. Mixture.....Each 4 oz. 90c, 1 lb. \$3.50	.15	.30
Giant King Oxford Blue. (new). An extra large flowered, tall strain. Deep blue with white stripe..... $\frac{1}{4}$ oz. 50c	.25	1.50
Giants Mixture. An especially large flowered strain, base-branching.....	.25	1.00
For other Lupinus see perennial list.		
MIGNONETTE. For greenhouse forcing should be sown in August in pots. For a spring crop sow in January. Disbudding is necessary for large spikes.		
Ball Strain. We are constantly improving our fine strain of forcing Mignonette and are certain there is none better..... $\frac{1}{4}$ oz. \$1.75	1.00	6.00
New York Market..... $\frac{1}{4}$ oz. \$1.75	1.00	6.00
MACHET. Good for summer bedding work.		
Golden Goliath. Goliath Red.....Each	.15	.75
MIMOSA. Pudica. Sensitive Plant.....	.20	.50
MYOSOTIS. Forget-me-not.		
Ball's Early. Not quite as long-stemmed as Blue Bird but very free and early flowering. An August sowing flowers in October..... $\frac{1}{4}$ oz. \$1.50	.50	
Ruth Fischer. Clear blue, very compact habit. Fine for pots..... $\frac{1}{32}$ oz. 75c	.50	

MISCELLANEOUS ANNUALS (Continued)

NASTURTIUM.

DOUBLE VARIETIES.

All colors of the new "GLEAM" class are valuable both for cutting and use in combination boxes. No retail grower should be without them. We offer only the Bodger strains.

Golden Gleam. The original semi-trailing double nasturtium. Deep golden yellow. Tr. Pkt. 20c; 1 oz. 30c 4 oz. 50c; 1 lb. \$1.50.

Scarlet Gleam. (new). Identical in every way with Golden Gleam except in color which is a brilliant scarlet. Tr. Pkt. 25c; ¼ oz. 50c; 1 oz. \$1.85.

Gleam Hybrids. This hybrid strain produces a most pleasing array of very attractive colors running through varying shades of scarlet, orange, salmon, to golden and cream yellow, with all the valuable characters of Golden Gleam added. Tr. Pkt. 25c; ¼ oz. 50c; 1 oz. \$1.50.

SINGLE VARIETIES.

Tr. Pkt. 1 oz.

☒ Cloth of Gold. Scarlet, golden foliage. Dwarf.....	4 oz. 30c; 1 lb. \$1.00		\$1.10
☒ Empress of India. Deep scarlet, dark foliage. Dwarf.....	4 oz. 30c; 1 lb. \$1.00		.10
☒ Golden King. Indian yellow, dark foliage. Dwarf.....	4 oz. 30c; 1 lb. \$1.00		.10
☒ Mixture of Dwarf varieties.	4 oz. 30c; 1 lb. \$1.00		.10
Vesuvius. Salmon rose, dark foliage, tall or trailing.....	4 oz. 30c; 1 lb. \$1.00		.10
California Giants Mixed. Mixture of tall or trailing varieties.....	4 oz. 30c; 1 lb. \$1.00		.10

NEMESIA. Strumosa Suttonii.

GRANDIFLORA. Large flowered and long stemmed. 24 in. Good for cutting.

Blue.	¼ oz. 50c	\$1.35	
Cherry Red	¼ oz. 75c	.35	
Orange. Good bright color, comes quite true.....	¼ oz. 75c	.35	
Rose. Rather deep heavy color. Comes quite true.....	¼ oz. 75c	.35	
Scarlet. Varies.....	¼ oz. 75c	.35	
Mixture of above colors.	¼ oz. 50c	.35	

☒ **NANA COMPACTA.** More dwarf than Grandiflora — 18 in., and branches very profusely from base. Good for bedding and pot work.

Aurora. Carmine-crimson with white. Quite attractive.....	¼ oz. 75c	.35	
Blue Gem Imp. Nice delphinium blue. Varies.....	¼ oz. 50c	.35	
Fire King. Scarlet.....	¼ oz. 75c	.35	
Orange Prince. A rich orange.....	¼ oz. 75c	.35	
Triumph Mixed. A mixture of above colors.....	¼ oz. 50c	.25	

NICOTIANA.

Suaveolens. Miniature White. Sweet-scented. 18 in. ¼ oz. 75c .35

AFFINIS.

White. Sweet-scented. 36 in.....		.15	.30
Crimson Bedder. 15 in. Makes nice compact row.....	¼ oz. 75c	.35	

NIGELLA. Damascena Double.

Miss Jekyll. Love-in-a-Mist. Cornflower blue.....			.15
Mixture......			.15

OENOTHERA. Evening Primrose.

Afterglow. Yellow with bright red calyx. 3 in.....		.20	.50
Lamarckiana. Yellow. 4 ft.....		.15	.25

PENTSTEMON. Beard Tongue.

Southgate Gem. Glowing scarlet..... ¼ oz. \$1.00 .40

GLOXINOIDES.

Red Shades. Rose Shades	Each, ¼ oz. \$1.00	.40	
Sensation Mixture	¼ oz. .75	.35	2.75

PHLOX Drummondii. Annual. Attractive for bedding.

GRANDIFLORA. Tall.

Alba. White.....	¼ oz. 30c	.25	1.00
Carnea. Flesh pink with rose eye.....	¼ oz. 30c	.25	1.00
Chamois Rose. With carmine eye.....	¼ oz. 30c	.25	1.00
Cinnabar. Rich scarlet.....	¼ oz. 30c	.25	1.00
Leopoldii. Deep rose with white eye.....	¼ oz. 30c	.25	1.00
Rosea. Rose-pink, shading deeper in center. Fine.....	¼ oz. 30c	.25	1.00
Cuspidata Mixture. Star of Quedlinburg.....	¼ oz. 30c	.20	1.00
Special Mixed. A mixture of tall varieties.....	¼ oz. 25c	.20	.80

☒ **NANA COMPACTA.** Dwarf type for bedding.

Chamois. With carmine eye.....	¼ oz. 60c	.40	2.00
Fireball. Fiery scarlet.....	¼ oz. 60c	.40	2.00
Isabellina. Pure yellow. Sky Blue, Snowball.	Each, ¼ oz. 60c	.40	2.00
Cecily Mixture. A special mixture of all the attractive colors in this class.....	¼ oz. 60c	.40	2.00

MISCELLANEOUS ANNUALS (Continued)

POPPY.

❑ ICELAND. (P. Naudicaule). The following are excellent cut-flower strains for either greenhouse forcing or outdoor work and we believe represent the best available for this purpose.

El Monte. Bright tangerine orange. Tr. Pkt. **25c**; ¼ oz. **75c**.

Fakenham Hybrids. Extra large flowered on 18 in. stems. Mixture. Tr. Pkt. **25c**; ¼ oz. **75c**.

Gartref Strain. A fine strain of pastel shades, most flowers having a deep edging that contrasts well. Tr. Pkt. **50c**; ½ oz. **\$1.00**.

Sandford's Giants. Vigorous grower and long-stemmed. Mixture. The finest strain in this class for cutting. Tr. Pkt. **50c**; ½ oz. **\$1.00**.

SHIRLEY.

Double Begonia-flowered Pink Shades.	Double Begonia-flowered Salmon	Each	Tr. Pkt.	1 oz.
American Legion. Single orange-scarlet.....			.15	.50

CARNATION-FLOWERED. Double. 3 ft.

Fairy Blush Hybrids. Mixture of light pink shades.....	.10	.20
Mixture. Covers all shades in this class.....	.10	.20

PEONY-FLOWERED. Double. 3 ft.

Shrimp Pink.....	.10	.30
Mixture.....	.10	.20

❑ PORTULACA.

Double Mixture. Very bright free flowering mixture. Makes fine bedding material. ¼ oz. 60c	.25	2.00
Single Mixture.....	.15	.50

PRIMULA. Recognizing that considerable difficulty is experienced in germinating Primula seed, we constantly check the germination of our supply and are sure it will grow if carefully handled.

OBCONICA GRANDIFLORA.

Mohnstein's Atrosanguinea. Dark blood red.....	½ oz. \$6.00	Tr. Pkt. \$1.25	1/64 oz. \$3.50
Mueller's Rosea. Pure rose.....	½ oz. \$6.00	1.25	3.50

Please note that our seed of the above strains come direct from the originator in sealed glass tubes containing ½ oz. each and we will be glad to ship you these tubes unbroken on orders of ½ oz. or more.

	Tr. Pkt.	1/64 oz.
Mohnstein's Dark Red	\$1.00	\$2.00
Mueller's Berlin Rose	1.00	1.75
Fasbender's Red	1.00	1.75
Coerulea. Clear light blue.....	.75	
Salmon Queen.....	.75	
Mixture	½ oz. \$1.25	.50

MALACOIDES.

Dwarf Eclipse. Extra large flowered light lilac with deep yellow eye.....	1.00	
Weihenstephan. (new). Clear rose-pink.....	1.00	4.00
Light Lilac	1/8 oz. \$1.00	.50
Rosea Superba	1/16 oz. \$1.00	.50
Grandiflora Rosea. Extra large flowered deep rose.....	.75	1.75

MALACOIDES ERIKSSONII.

Baby Alba. No seed available before July 15. Baby Rose. Deep rose.....	
New Baby. Extra large flowered salmon-rose.....	
Wonder Baby. Rather light color. Mixture.	Each 1.00

CHINESE GIANT FRINGED.

Chiswick Red.....	.50	1.00
Coerulea. Light blue.....	.50	.75
Rose Queen.....	.50	1.00
Special Mixture.....	.50	1.25



Iceland Poppies are easily grown for spring cuttings.

RHODANTHE. Everlasting. Semi-double flowers. Choice for cutting. 12 in.

Maculata Rose. With dark center.....	Tr. Pkt. \$1.15	1 oz. \$3.50
Atrosanguinea. Deep carmine. Fine.....	¼ oz. 75c	.25 2.50

RICINUS. Castor bean.

Borboniensis Arboreus. 10 ft.....	4 oz. 50c ; 1 lb. \$1.50	.15
Zanzibariensis. Carmine. 12 ft.....	4 oz. 60c ; 1 lb. \$2.25	.20

MISCELLANEOUS ANNUALS (Continued)

SAINTPAULIA. African Violet. A very attractive pot plant.					
Cordata. Lavender-violet. Ionantha. Deep blue.....	Each	\$1.00	Tr. Pkt.	1 oz.	
SALPIGLOSSIS. Some very attractive colors for summer cutting and spring flowering under glass. Especially valuable for retail growers.					
Brown and Gold Rose and Gold Scarlet and Gold					
Violet and Gold White and Gold Yellow and Gold	Each, 1/4 oz.	40c	.20	\$1.20	
Emperor. Extra choice large flowering mixture of above colors.....	1/4 oz.	30c	.20	.85	
SALVIA. We annually carry out trials of all available strains of Salvia. This gives us exact information on what we are offering you.					
SPLENDENS.					
America. (Globe of Fire). Unexcelled for uniform height. 18 in. Early.....	1/4 oz.	75c	.50	2.50	
Firebrand. Most compact, about 16 in., and earliest flowering strain.....	1/4 oz.	85c	.50	3.00	
Harbinger. We find this similar to Firebrand except in height. 18 in.....	1/4 oz.	85c	.50	3.25	
Bonfire. Not quite so dwarf as above.....	1/4 oz.	60c	.40	2.00	
Splendens. Tall. Fairly tall and not so early as above varieties.....	1/4 oz.	40c	.35	1.50	
Maroon Prince. Rich maroon purple. Very effective color. Fairly early flowering. 1/4 oz.		\$1.25	.50	4.00	
FARINACEA.					
Pale Blue. Nice azure blue color. Excellent for outdoor cutting.....	1/4 oz.	50c	.25	1.50	
Blue Bedder. Deep blue. Compact. 3 ft.....	1/4 oz.	80c	.35	2.75	
SAPONARIA Vaccaria. 18 in. Gypsophila-like flowers.					
White, Rose	Each	.15		.25	
SCABIOSA. Choice long-stemmed annuals for summer cutting or spring forcing.					
Ageratum. Blue. (new). Rich deep blue. Azure Fairy. Azure blue.					
King of the Blacks. Deep rich maroon. Loveliness. Very good deep cream pink					
Peach Blossom. Light cream pink. Cherry Red. Shasta. White.....	Each	.15		.50	
Mixture.....		.10		.40	
Giant Hybrid Mixture. An extra long-stemmed and large-flowered mixture of the best and newest varieties from America and Europe.....	1/4 oz.	35c	.25	1.00	
Tom Thumb. Mixed, Dwarf compact, 6-8 in. Excellent for rock gardens and edgings.....		.25		.75	
SCHIZANTHUS. Grandiflora, or large-flowered class — the most attractive strains.					
Ball "Brilliant Blend". Our finest all-purpose mixture with plenty of dark colors. 16-18 in.	1/4 oz.	\$1.00	.50		
Compactus — Reddish Shades. Pleasing shade of reddish pink. 12-14 in.....	1/8 oz.	\$1.00	.50		
Wisetonensis Compactus. The most dwarf strain available, 8-10 in. Light shades.....		.75			
Brilliance. Rich amaranth red, 16-18 in. Purple Shades.					
Rose and Carmine Shades. Rose and Amber Shades	Each, 1/4 oz.	\$1.00	.40		
SHAMROCK. Sow January 1 in carnation house for 2 in. St. Patrick's Day pot plants.....		.15		.50	
SMILAX. Well known greenhouse climber.....	1 lb.	\$5.00; 4 oz.	.20	.50	
SOLANUM.					
Christmas Cherry. Ball's strain. A compact growing strain of our own selection.....		.25		1.00	
	Tr. Pkt.	1 oz.			
Christmas Pepper. An attractive dwarf strain, producing medium size berries ranging in color from purple to brilliant red. When field grown under our conditions the berries are fully colored by Nov. 1.....	1/4 oz.	60c	\$1.25	\$2.00	
Bird's Eye Pepper. Small bright red berries.....	1/4 oz.	50c	.25	1.75	
STATICE. The seed of annual statice is of irregular germination.					
Bonduelli. Yellow. Similar to the Sinuatas.....	1 lb.	\$2.50	.15	.25	
Sinensis. 18 in. Pure white with canary yellow.	4 oz.	\$2.50	.25	.75	
Suworowii. Russian or Rat Tail. Excellent for spring cutting from either large pots or beds. Excellent for pot specimens.....	4 oz.	\$2.75	.25	.75	
SINUATA. Largely used outdoors, but can be forced in a greenhouse.					
Kampf's Tall Improved. Atrocoerulea. Very bright deep blue, excellent for cutting. 3 ft.....	1 lb.	\$5.00	.25	.80	
True Blue. The standard blue.....	1 lb.	3.25	.15	.30	
Rosea Superba	1 lb.	3.25	.15	.30	
White	1 lb.	2.00	.15	.25	
New Hybrid Mixture. Contains in addition to the above, several new hybrid shades.....	1 lb.	\$5.25	.25	.85	
THUNBERGIA. Black-eyed Susan.....	4 oz.	\$1.75	.15	.65	



Statice Suworowii is an attractive novelty cut flower or pot plant.

MISCELLANEOUS ANNUALS (Continued)

	Tr.	Pkt.	1 oz.
TORENIA.			
Fournieri. Excellent for spring pot plant sales. Medium blue with dark blotches on lip. Very rich.....	1/4 oz.	65c	\$1.25
Fournieri Compacta. Dwarf form of above. Excellent for bedding or pots. 1/8 oz. 50c; 1/4 oz. 85c	1/4 oz.	85c	.25
TRACHELIUM Coeruleum. Large heads of small blue flowers resembling Gypsophila. 18 in. 1/8 oz. 85c			.35
URSINIA Anethoides. Brilliant orange, purple center. 10 in. Excellent for the spring garden. Flowers in 3 1/2 months from seed.....	1/4 oz.	65c	.35
			2.00
VENIDIUM.			
Fastuosum. Brilliant orange with a glistening dark center.....	1/4 oz.	\$1.25	.35
"Ball Hybrids." (new). A most interesting and attractive mixture of colors ranging from silvery white down through various shades of cream and orange-salmon.....			.50
			4.25
VERBENA.			
Venosa. Heliotrope, deep blue. Excellent habit for bedding.....	1/4 oz.	40c	.25
Erinoides. Purple. Moss Verbena. 12 in.....	1/4 oz.	40c	.25
			1.25
GRANDIFLORA GIGANTEA. 18 in.			
Blue. White eye.....	1/4 oz.	50c	.25
Carmine Pink. Very bright attractive color.....	1/4 oz.	50c	.25
Coccinea. White eye.....	1/4 oz.	50c	.25
Etna. Geranium red, light yellow eye.....	1/4 oz.	50c	.25
Lavender Glory. Extra large flowered lavender with light eye. Throws a few white and purple rogues. Very good.....	1/4 oz.	75c	.35
Lucifer. Flaming scarlet.....	1/4 oz.	50c	.25
Luminosa. Fiery pink shading to salmon.....	1/4 oz.	50c	.25
Mayflower. Pink.....	1/4 oz.	35c	.25
Rosea Stellata. Rose-pink, white eye.....	1/4 oz.	50c	.25
Pure White	1/4 oz.	50c	.25
Beauty of Oxford Hybrids. Bright geranium red with eye. Very bright color. Seed germination is irregular.....	1/4 oz.	60c	.35
Gigantea Mixture of all colors	1/4 oz.	40c	.25
			2.25
			1.25
COMPACTA ERECTA. 12 in.			
Fireball. Bright scarlet. Very dwarf.....	1/4 oz.	75c	.35
Royal Bouquet. Brilliant mixture.....	1/4 oz.	65c	.35
			2.50
			2.25
VINCA ROSEA. Periwinkle. Requires a warm house and an early start. 12 in.			
Pink. Alba Oculata. White with rose eye.			
Delicata. Soft Pink. Alba Pura. Pure white. Mixture Each 1/4 oz. 30c			.20
			.90

HARDY PERENNIALS

	Tr.	Pkt.	1/4 oz.	1 oz.
ACHILLEA Ptarmica. The Pearl. 30 in. Double white, excellent for cutting.....		\$1.35	\$.75	\$2.75
ACONITUM Fischeri. Monks Hood. Deep blue. Should be frozen over winter for good germination.....		.25	.60	2.00
AGATHAEA Coelestis. Felicia or Blue Daisy. Excellent.....		.25	.40	1.25
ALYSSUM Saxatile. Compactum. Golden yellow. 12 in. Excellent for rock gardens.....		.15	.25	.75
ANCHUSA.				
Myosotidiflora. Forget-me-not blue. 15 in.....		.50	1.75	6.00
Italica. Dropmore strain. Blue. 6 ft.....		.15		.50
AQUILEGIA. Columbine. Valuable for outdoor cutting and forcing.				
Coerulea. Rocky Mountain Blue Columbine. Sky blue with white spurs.....		.35	.50	1.75
LONG-SPURRED.				
Silver Queen. White, fragrant.....		.40	.75	2.50
Mrs. Scott Elliott's Hybrids. Fine long-spurred mixture.....		.50	1.25	4.00
Mixture.....		.15		.50
Jaetschaui. Large yellow with red spurs.....		.40	.85	2.50
ARABIS Alpina. Rock Cress. White. Dwarf.....		.15		.50
ASCLEPIAS Tuberosa. 2 ft. Orange, fine for cutting. Needs free drainage.....		.35	.60	2.00
ASPARAGUS Verticillatus. Hardy climbing Asparagus. Red berries. Seeds should be frozen over winter for proper germination.....		.35	.60	2.00
ASTER.				
Alpinus Dark Beauty. Single deep blue. 12 in. Excellent.....		.35	1.00	3.00
Warburg Star. Lighter than Dark Beauty. Long-stemmed, good for cutting. 24 in.....		.50	2.00	
Novi-belgii. New hybrids.....		.50	1.00	3.50
BELLIS PERENNIS. Double English Daisy. The choicest are the Montrosa varieties as follows:				
Rose, White, Red.	Each	.40	.75	2.40
Mixed.....		.35	.60	2.00

HARDY PERENNIALS (Continued)

	Tr. Pkt.	¼ oz.	1 oz.
CAMPANULA.			
MEDIUM CALYCANTHEMA. Double or Cup-and-Saucer varieties. 3 ft. Biennial.			
Dark Blue, Light Blue, Rose, White.....	Each \$.25	\$.40	\$1.40
Mixed.....	.20	.30	1.00
MEDIUM SINGLE. 3 ft. Biennial.			
Blue, Lilac, Rose, White, Mixed.....	Each .15		.50
☐CARPATICA. Perennial. Dwarf for rock gardens. 12 in.			
Blue, White, Mixed.....	Each .25	.30	.90
☐CANDYTUFT. Sempervirens. White. 12 in.....	.35	.50	1.50
CATANANCHE Coerulea. Everlasting. 30 in. Light lavender-blue flowers resembling Centaurea Cyanus. Good for cutting.....	.25	.40	1.25
CENTAUREA Montana. Cornflower blue. 24 in. Large flowered.....	.20		.60
For other Centaurea see annual list.			
☐CERASTIUM Tomentosum. Snow in Summer. Silvery-white foliage. 12 in.....	.25	.40	1.25
CHRYSANTHEMUM Indicum. Double and semi-double. A February sowing starts flowering late in July and continues until frost. Very hardy mixture.....	1/8 oz. \$1.00	.50	
COREOPSIS. Grandiflora.			
Lanceolata Single.....	.15		.30
Semi-double.....	.20		.50
Mayfield Giant. Extra large flowered, deep golden yellow.....	.25		1.00
DAISY. These are all excellent cut-flower varieties. In well-drained soil and protection from excessive freezing and thawing action, are easily wintered over. Following cover the flowering season from May to July. Listed in flowering order.			
Elder. Comes true from seed.....	.20	.25	.75
June Marguerite. Free flowering.....	.25		.75
Spring Marguerite. Follows above closely.....	.15		.50
Mayfield Giant. Fine size.....	.25		.75
Alaska. Well-known Shasta Daisy.....	.25	.30	1.00
Double Fringed (Diener's). From originator's stock. Comes 60% true.....	.50		
Conqueror. Giant late white.....	.20	.30	1.00
DELPHINIUM.			
Belladonna Improved. (Cliveden Beauty). The standard light blue cut-flower strain. Spring sown seed produces very good clumps for forcing.....	1 lb. \$25.00	.35	1.75
Belladonna. The regular or original strain.....	.25		1.65
Bellamosum. Same as Belladonna Improved but deep marine blue.....	.40		1.75
Blackmore and Langdon Hybrid Strain. We believe this to be unexcelled for extra large exhibition spikes and a choice range of colors.....	.50	.90	3.50
Hollyhock Wrexham Strain. A very fine hybrid strain with extra long tapering spikes.....	.75	1.50	5.00
Gold Medal Hybrids Mixture.....	.25		1.00
Iceberg. 48 in. The best white variety we know of.....	.50	2.50	
CHINENSIS. Makes excellent cut-flower material. Early flowering.			
Cambridge Blue. Standard Belladonna blue for cutting.....	.35	.65	2.25
Dark Blue, White.....	Each .20		.75
Mixture.....	.15		.60
DIANTHUS.			
☐Alwoodii Alpinus Mixed. Flowers first season. 4-6 in. high, very excellent for rock gardens. 100 seeds 75c ; 1000 seeds \$4.00 .			
BARBATUS. Single. Sweet William. 2 ft.			
Newport Pink. (Pink Beauty). Bright salmon-rose.....	.15	.25	.75
Purple Beauty. Bright deep purple.....	.25	.40	1.35
Scarlet Beauty. Very bright color.....	.15	.25	.75
White.....	.15		.50
Mixture of above colors.....	.15		.40
BARBATUS. Double.			
Mixture. Produces some singles.....	.15		.60
☐DELTOIDES.			
Rose. Maiden Pink. For rock gardens.....	.25	.50	1.50
Brilliant. Rich rose pink.....	.25	.50	1.50
DICTAMNUS Fraxinella. Gas Plant. Pink with dark veins. Good border plant. Seeds should be frozen over winter for proper germination.....	.25	.40	1.25
DIELYTRA Spectabilis. Bleeding Heart. 32 in. Seedlings flower second year. Seeds should be frozen over winter for proper germination.....	.50	1.35	4.50
DIGITALIS. Foxglove.			
GLOXINOIDES.			
Purple, Rose, White.....	Each .20		.50
Mixed.....	.15		.40
GIANT SHIRLEY.			
Mixed. A splendid large-flowered strain.....	.15		.50
DORONICUM Caucasicum. Single yellow. 2 ft.....	1.00		

HARDY PERENNIALS (Continued)

	Tr. Pkt.	¼ oz.	1 oz.
GAILLARDIA. Grandiflora. Excellent outdoor cut-flower material.			
Maxima Aurea. Deep golden yellow. Very good.....	\$.25		\$1.00
Burgundy. (new). Deep rich wine-red shade.....	.50	\$1.10	3.75
The King. Extra large flowered strain.....	.35	.75	2.50
Dazzler. Standard golden yellow with red center.....	.25	.40	1.25
Portola Hybrids. Varying shades of deep red, petals tipped yellow.....	.25	.50	1.50
GEUM.			
Borisii. Brilliant scarlet. Flowers from June on. 16 in.....	.50	1.25	4.00
Lady Stratheden. Double golden yellow.....	.40	.60	2.00
GYPSOPHILA.			
Pacifica. Small bright pink flowers. Excellent.....	.50	1.00	
PANICULATA.			
Double Snow White. 40 in. 35% double.....	.50	1.00	3.50
Single White.....	.15		.40
REPENS. 6 in. Excellent for rock gardens.			
White.....	.25	.40	1.25
Rose.....	.25	.75	2.50
HELIANTHEMUM Mutabile. Rock Rose. Dwarf evergreen. 8 to 10 in.....	.25		.75
HEUCHERA Sanguinea Crimson. 30 in. We have an ample supply of a first class strain of this. A very attractive novelty cut-flower item.....	.50	1.25	4.00
HOLLYHOCK.			
Imperator. Double choice mixed. Excellent mixture of large, fringed types.....	.25	.50	1.60
CHATER'S DOUBLE.			
Chamois, Deep Rose, Newport Pink, Scarlet, Sulphur Yellow, White..... Each	.25	.40	1.25
Mixed.....	.20	.35	1.00
ALLEGHENY TYPE. Single.			
Alameda Pink. Shades of light pink.....	.25	.35	1.00
Mixed.....	.15		.50
LATHYRUS Latifolius. Hardy or Everlasting Sweet Pea.			
Pink Beauty, White Pearl, Mixed..... Each	.15		.50
LIATRIS.			
Spicata. Blazing Star. Purple-rose. 24 in.....	.25	.40	1.50
LILIUM. We find an increasing interest taken in Lilies from seed. Successive sowings make flowers available the year round. They come very true.			
Philippinense Formosanum Improved. With protection from freezing and thawing, this is hardy in our latitude. From an early spring sowing, some will flower in late summer. Pure white under glass, some rose shading outdoors..... 1 lb. \$22.00	.35	.50	1.75
Regale. Regal Lily. Pink outside, inside a primrose yellow.....	.20		.50
LOBELIA Cardinalis. (Fulgens). Cardinal flower. 36 in.....	.50	1.25	4.00
LUNARIA Biennis. Honesty.			
White. 40 in.....	.20		.65
Crimson. 48 in.....	.15		.75
Mixed.....	.15		.65
LUPINUS Polyphyllus. Hardy Lupines.			
Rose, Dark Blue, White..... Each	.15		.30
Chocolate Soldier. Yellow shading to chocolate.....	.35	.80	3.00
Luteus. Yellow. Varies slightly light to dark.....	.25	.50	1.50
Harkness Regal Mixture. (new). Fine hybrid mixture containing all shades in this type.	.20		.65
LYCHNIS.			
Alpina Rose. Dwarf, 12 in. Excellent for rock gardens..... 1/16 oz. \$1.00	.50		
Chalcedonica Scarlet. 36 in.....	.15		.50
MATRICARIA Capensis. (Feverfew).			
"Ball Double White." We have an excellent strain of this for forcing and outdoors. Comes 95% fully double and large flowered. For spring flowering, sow in October.	.25	1.00	3.00
Double Golden Ball. Yellow disc. 8 in.....	.25	.50	1.60
MYOSOTIS.			
Alpestris Stricta Grandiflora. Royal blue. 12 in.....	.25	.50	1.75
Palustris. Blue. True Marsh Forget-me-not. 12 in.....	.25	.50	1.50
Blue Bird. Standard deep blue Forget-me-not. 12 in.....	.40	1.00	3.25
NEPETA Mussinii. Light blue. 12 in.....	.35	.60	2.00
PHYSALIS Franchetti. Chinese Lantern plant. Large orange berries.....	.25		.75
PLATYCODON. Grandiflora. Balloon Flower. Early flowering. 28 in.			
Blue, White..... Each	.25	.40	1.50
POPPY. Orientale. Oriental Poppy. The following varieties do not come especially true.			
Brilliant. Vivid fiery-red. 40 in.....	.25	.50	1.50
Beauty of Livermere. Dark ox-blood red.....	.35	.75	2.75
Mixture of all shades of this class.....	.25	.35	1.00

PRIMULA.

Tr. Pkt. ¼ oz. 1 oz.

ⓇVulgaris. True yellow English primrose. 6 in. Seeds should be frozen over winter for proper germination..... \$1.00 \$1.00 \$3.00

ⓇVERIS.

Polyanthus Grandiflora Mixture..... 1/8 oz. \$1.00 .50 6.00

Giant Munstead Strain. Extra large-flowered strain in mixture yellow and light shades. 12 in..... 1/8 oz. \$1.00 .75

PYRETHRUM.

Ptarmicaeflorum. Silvery white. 6 in..... 1/16 oz. \$1.50 .50

Uliginosum. Single white. 4 ft..... .40 1.00 3.25

ROSEUM. 30 in. Makes excellent cut-flower material.

Semi-double Mixture. Produces full double flowers second season..... .50 1.50 4.50

Single Mixture..... .25 .40 1.25

Kelway's Strain. Dark red. Varies some..... .50 .90 3.00

SALVIA Patens. Navy blue. 30 in..... .40 .75 2.50

ⓇSAPONARIA Ocymoides. Rose trailing. 12 in..... .20 .60

SCABIOSA. Excellent perennial cut-flowers.

Columbaria Lavender. Delicate shade..... .35 .65 2.00

Columbaria Pink. Delicate orchid-pink..... .40 .65 2.00

Caucasica Lilac-lavender..... .40 .60 2.00

House Hybrids. Shades of lavender and blue. Excellent..... .50 .90 3.00

ⓇSEDUM Acre. 3 in. Golden Moss..... 1/8 oz. \$1.00 .35

ⓇSEMPERVIVUM. House Leek. Perennial mixed..... .75

STATICE. Very hardy as a rule and makes excellent cut-flower material.

Dicksonii. (new). Large sprays of open flowers of a rich old rose shade. Excellent either fresh or dried. Flowers second season. Tr. Pkt. 50c; ¼ oz. \$1.25; 1 oz. \$4.00.

ⓇPuberula. (new). A dwarf perennial Statice. 6 in. Flowers in five months. Very floriferous and excellent either in pots or for the rock garden. Tr. Pkt. 50c; ¼ oz. \$1.00; 1 oz. \$3.00.

Caspia. Soft lilac. 30 in..... \$1.00 \$1.00 \$2.00

ⓇDumosa. Dense clumps of silvery-gray flowers. 30 in..... .35 1.00 3.50

Incana. (Tatarica). Small white flowers. Good for drying. 14 in..... .20 .50

Latifolia. The standard blue perennial Statice. 30 in..... .25 .35 1.00

Perezii. Similar to Latifolia, but flowers first season..... .25 .40 1.50

TRITOMA Mirabilis Hybrids. Yellow shades. Should be frozen over winter for good germination..... .35 .50 1.75

TROLLIUS. Ledebouri. Globe flower. Should be frozen over winter for proper germination.

Orange. Standard orange Globe flower..... .50 1.25 4.00

ⓇTUNICA Saxifraga. 10 in. Lilac-rose and very dwarf..... .15 .60

VERONICA.

Longifolia. Compact clusters of blue flowers. 30 in..... .25 .35 1.25

ⓇRepens. White with light blue. Very dwarf and trailing. Early..... .40 .80 3.00

OUR SERVICE

The life and value of our industry depends upon the quality, attractiveness and variety of our product. Inferior or unsatisfactory stock not only hurts the grower directly but is a reflection on the business at large, which means all of us.

Usually such stock is the result of lack of information or — service. With the backing of our experience we try to supply this need to growers of our seed, believing it to be a service they are entitled to. Besides supplying circulars gratis on various crops, we regularly issue the

"BALL RED BOOK" (By Geo. J. Ball). The second edition has been enlarged and covers a greater variety of subjects. It supplies detailed information on the construction of cloth houses, with suggestions on various crops that can be grown to advantage under their protection, particularly asters. We have tried to increase the worth of this edition, and we feel quite sure that it will maintain our policy of giving full value in all our dealings. Mailed postpaid for 20c.

"BETTER SWEET PEAS" (By Geo. J. Ball). A cloth bound book of 210 pages freely illustrated and covering in detail the growing of Winter-flowering Peas under glass. A chapter is devoted to the possibilities of the Late-flowering type. Another to the miscellaneous crops grown to advantage with Peas. "Better Sweet Peas" is the only American book on this subject. Sent postpaid for \$1.00.

Attendance at florist Short Courses is increasing. There must be a reason.



VEGETABLE SEEDS FOR FLORISTS

More people than ever are planting gardens these days, giving the florists the opportunity of furnishing vegetable plants in increasing numbers and varieties. Well grown plants for this trade are quickly and easily grown in quantity and no florist should neglect the opportunity to cash in on this demand. We secure our vegetable seed from the most dependable sources — you can depend on us.

		1 oz.	4 oz.
BEET			
Detroit Dark Red. (Improved Strain). 52 days. Excellent all purpose variety. Uniform globe shaped. Blood Red.....		\$1.15	\$4.40
Crosby Egyptian. (Original Strain). 50 days. Fine for home and market gardeners. Globe shaped. Dark purplish red.....		.15	.45
CABBAGE			
All Head Early. Good winter keeper. Deep heads, firm and fine quality. 77 days.....		.20	.65
Late Flat Dutch. Large heading. Very popular. 110 days.....		.20	.65
Large Wakefield. Larger but fully a week later than Early Jersey Wakefield.....		.20	.70
Early Jersey Wakefield. Standard early 62-day cabbage.....		.20	.70
Copenhagen Market. Regular Early. Medium-sized heads; compact. 66 days.....		.30	.85
Early Dwarf Flat Dutch. Almost ball-shaped, short-stemmed. 71 days.....		.20	.65
Danish Ball Head. Short stem. The best late variety, keeps perfectly in storage until spring.....		.30	.85
Savoy Imp. American. Attractive light yellow; distinct flavor. Best of the Savoy group. 85 days.....		.30	.80
Wisconsin All-season. Yellows Resistant. Valuable in localities infested with "Cabbage Yellows." Good winter keeper, large heads. 90-95 days.....		.40	1.25
Golden Acre. Earliest round head variety for early market and shipping. Short stem. Firm heads. 62 days.....		.40	1.10
Mammoth Rock Red. Best red variety. Good keeper. Deep purplish red. 90 days.....		.30	.80
CARROT			
Gonsenheimer. Fine forcing or home garden variety. Nearly coreless. Half-long. Especially adapted for forcing.....		.25	.90
Chantenay. Fine for home and market. Good shipper and keeper. Heavy yielder. 70 days.....		.15	.50
Danvers Half-long. Very productive and uniform. Good shipper. 75 days.....		.15	.45
CAULIFLOWER			
Early Snowball. Best early greenhouse-forcing variety. The standard of excellence; 52 days.		$\frac{1}{4}$ oz. 80c; $\frac{1}{2}$ oz. \$1.35	2.25
Danish Giant Dry Weather. Most dependable in dry weather. 65 days.		$\frac{1}{4}$ oz. 75c; $\frac{1}{2}$ oz. \$1.25	2.25
CELERY			
Golden Yellow Self-blanching Dwarf. Standard market and shipping variety.....		.70	1.90
Golden Plume, or Florida Golden. A new early, developed from Golden Plume. Valuable for early and late in Florida and for early in the north.....		.65	2.00
CUCUMBER			
Chicago Pickling. (Westerfield). Valuable pickling and slicing. 6-7 in. long. Uniform. 60 days.....		.35	.90
Davis Perfect. Fine slicing variety. Good shipper. 9-11 in. Few seeds. 68 days.....		.30	.90
Early Fortune. Best for slicing or shipping. Dark green. 8-9 in. long. Uniform. 68 days....		.30	.90
EGG PLANT			
Large New York Purple. The standard home and market sort.....		.45	1.40
Black Beauty. Popular home and market variety.....		.45	1.50
KALE			
Dwarf Green Curled. Very hardy; 12 to 15 inches tall, with 30-inch spread. Finely curled.....		.15	.35
KOHL RABI			
Early White Vienna. Standard sort for forcing and home garden. Globe shaped.....		.20	.65
LETTUCE			
All Seasons Head. Valuable market and home garden variety, round firm heads.....		.15	.45
Grand Rapids Forcing. The standard loose-leaved variety for greenhouse forcing. Tender and sweet under glass.....		1 lb. \$1.50	.50
Black Seeded Simpson. Early; dependable everywhere and largely used by home and market gardeners. Loose-leaved and frilled.....		1 lb. \$1.40	.40
Big Boston. Select stock. Most widely popular of all heading lettuce, largely used for summer and fall hotbed and cold frame culture.....		1 lb. \$1.60	.50
ONION			
Yellow Globe Danvers. Very popular; medium large; pure yellow; firm and hard.....		.40	1.20
Prizetaker. Sweet Spanish class; large globular; yellow; good shipper.....		.35	1.00
PARSLEY			
Extra Triple Curled. (Moss Curled). Very compact; dark green.....		.15	.35
PEPPER			
Magnum Dulce. Sweet and mild; fine for salad. Grows very large.....		$\frac{1}{2}$ oz. 30c	.50
Sweet Mountain. Strong grower, very productive; fruit deep green turning red.....		$\frac{1}{2}$ oz. 20c	.35
Long Red Cayenne. (Hot). 70 days. For pickles, canning or drying; very prolific; deep green, becoming bright red.....		$\frac{1}{2}$ oz. 25c	.40
World Beater. (Sweet). 70 days. Good shipper; large oblong, deep green turning deep red; thick fleshed.....		$\frac{1}{2}$ oz. 25c	.45
Harris Early Giant. (Sweet). 63 days. Very early for home and market; very prolific and large fruited; deep green, turning red.....		$\frac{1}{2}$ oz. 30c	.50
Large Bell. Sweet mildly pungent ribs. 55 to 60 days. Deep green, becoming scarlet.		1 lb. \$3.50; $\frac{1}{2}$ oz. 20c	.35

VEGETABLE SEEDS FOR FLORISTS (Continued)

PEPPERS—Continued		1 oz.	4 oz.
Ruby King. (Sweet). Standard for home or market garden. Deep green and turning bright red. 68 days.	1/2 oz. 20c	\$.35	\$1.00
Hungarian Yellow Wax. (Hot). Very early. Desirable for canning or market garden. Light yellow, becoming bright red.	1/2 oz. 30c	.50	1.75
Crimson Giant. 85 days. Mild and sweet. Popular home and market sort. Deep green, becoming deep crimson.	1/2 oz. 40c	.65	2.00
Chinese Giant. (Sweet). 80 days. The largest sweet pepper. Deep green, becoming scarlet-red.	1 lb. \$6.25; 1/2 oz. 30c	.50	1.75
Pimento. (Perfection). Sweet. 72 days. Standard variety for home or market garden and for canning whole. Deep green, becoming deep red.		.30	.90
California Wonder. (Sweet). 72 days. Standard of excellence in sweet peppers. Deep green, becoming bright crimson.	1 lb. \$6.25; 1/2 oz. 30c	.50	1.75
Large Sweet Spanish. 80 days. For home and market garden; heavy producer; dark green to rich red.	1/2 oz. 25c	.45	
RADISH			
Early Scarlet Globe. (Short top strain). Our strain of this very early forcing variety is a superior one; small tops make it right for bunching. 23 days. This is an ideal florists' "catch crop" for selling to local stores.	1 lb. \$1.00	.15	.30
SPINACH			
Giant Thick-leaved. (Nobel). 43 days. Best of thick-leaved group; long standing; heavy yielder; deep green; smooth leaves.			.35
TOMATO. Number of days following description is time to first pick of fruit from early June planting in northern states.			
Crimson Cushion. Large round and regular; bright scarlet; solid; very prolific. 120 days.	1 lb. \$4.60	.45	1.40
Pritchard. (Scarlet Topper). Heavy yielder; second early; wilt resistant; fruit solid; brilliant red.		.35	1.40
Golden Queen. 83 days. Best large yellow fruited; golden yellow; firm and smooth.		.40	1.30
Marglobe. Particularly valuable for shipping and highly resistant to disease. Smooth; of distinct quality and long bearing. 75 to 78 days.	1 lb. \$4.00	.40	1.25
June Pink. 65 days. Best extra early; purplish pink.		.40	1.25
Bonny Best. Unexcelled for all purposes including forcing. 73 days.	1 lb. \$3.00	.30	.90
Dwarf Champion. Dwarf, tree-like. Requires no support; medium size, purplish pink fruit. 78 days.		.35	1.20
Earliana. Particularly valuable for home and early market garden. Medium size, deep scarlet. 64 to 66 days.	1 lb. \$3.75	.40	1.10
John Baer. Standard all-purpose variety, used largely for canning in northern sections; medium to large. 71 days.	1 lb. \$3.25	.30	1.00
Livingston's Globe. Valuable for shipping; heavy producer. Large purplish pink fruit; smooth and solid. 81 days.		.35	1.10
Ponderosa. Valuable for home use. Extremely large; purplish pink, with few seeds. 85 days.		.50	1.60
Stone. 85 days. Valuable for market and canning; heavy producer; deep scarlet; smooth.		.30	.90
Early Detroit. Particularly valuable for shipping. Purplish pink, large smooth fruit. 78 days.		.35	1.10
Oxheart. Late home garden variety. Extra large heart-shaped; few seeds and mild flavor. Very choice for salads.	1 lb. \$8.50	.80	2.50
Dwarf Stone. Largely used by market gardeners and canners. Heavily productive; smooth and solid. 85 days.		.40	1.35
Chalk's Early Jewel. 75 days. Fine for home and market gardeners; heavy producer; scarlet red		.30	.90
TURNIP Purple Top White Globe		.10	.25

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"FLOWER SEEDS FOR FLORISTS"



NEW PETUNIA BALL'S CELESTIAL ROSE

Greatly improves Rose of Heaven in more compact growth and deeper, richer color. An ideal dwarf bedding petunia. Should be used exclusively for bright rose effects.

PRICE T. P. 40c; 1/4 oz. \$1.40; 1 oz. \$5.00

BEING market growers ourselves, we realize the responsibility of supplying you seed. Too, we appreciate your confidence and try to merit it by knowing something about the seed we furnish,—its germination and *what it will produce*. These important points are regularly checked in our greenhouses and trial grounds. We can't hope to be always 100% right in this, of course, but we do try to be.

If you feel we have failed at any time to give you full value, I want you to promptly let me know about it.

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